

NEWFIELD



November 14, 2005

State of Utah  
Division of Oil, Gas & Mining  
Attn: Diana Whitney  
1594 West North Temple - Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

RE: Applications for Permit to Drill: 16-31-8-18, 2-9-9-16, 6-9-9-16, 4-4-9-18,  
and 8-5-9-18.

Dear Diana:

Enclosed find APD's on the above referenced wells. The proposed 16-31-8-18 and 2-9-9-16 are Exception Locations. Our Land Department will send you the required Exception Location Letter. If you have any questions, feel free to give either Shon Mckinnon or myself a call.

Sincerely,

A handwritten signature in cursive script, appearing to read "Mandie Crozier".

Mandie Crozier  
Regulatory Specialist

mc  
enclosures

**RECEIVED**

**NOV 16 2005**

**DIV. OF OIL, GAS & MINING**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

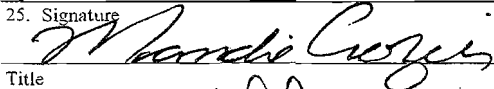
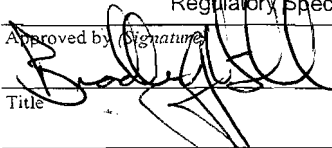
FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-65970
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. Sundance
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Sundance Federal 8-5-9-18
3b. Phone No. (include area code) (435) 646-3721		9. API Well No. 43-047-37390
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SE/NE 1850' FNL 509' FEL 593044X 40.062027 At proposed prod. zone 4435002Y -109.909032		10. Field and Pool, or Exploratory Eight Mile Flat
14. Distance in miles and direction from nearest town or post office* Approximatley 19.8 miles southeast of Myton, Utah		11. Sec., T., R., M., or Blk. and Survey or Area SE/NE Sec. 5, T9S R18E
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 509' f/lse, 5789' f/unit	16. No. of Acres in lease 1,036.24	12. County or Parish Uintah
17. Spacing Unit dedicated to this well 40 Acres	13. State UT	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1686'	19. Proposed Depth 6085'	20. BLM/BIA Bond No. on file UT0056
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 4962' GL	22. Approximate date work will start* 1st Quarter 2006	23. Estimated duration Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- |   |  |
|---|--|
| 1. Well plat certified by a registered surveyor.  | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).    |
| 2. A Drilling Plan.   | 5. Operator certification.   |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 11/14/05
Title Regulatory Specialist		
Approved by (Signature) 	Name (Printed/Typed) BRADLEY G. HILL ENVIRONMENTAL SCIENTIST III	Date 11-17-05
Title Environmental Scientist III		

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

Federal Approval of this  
Action is Necessary

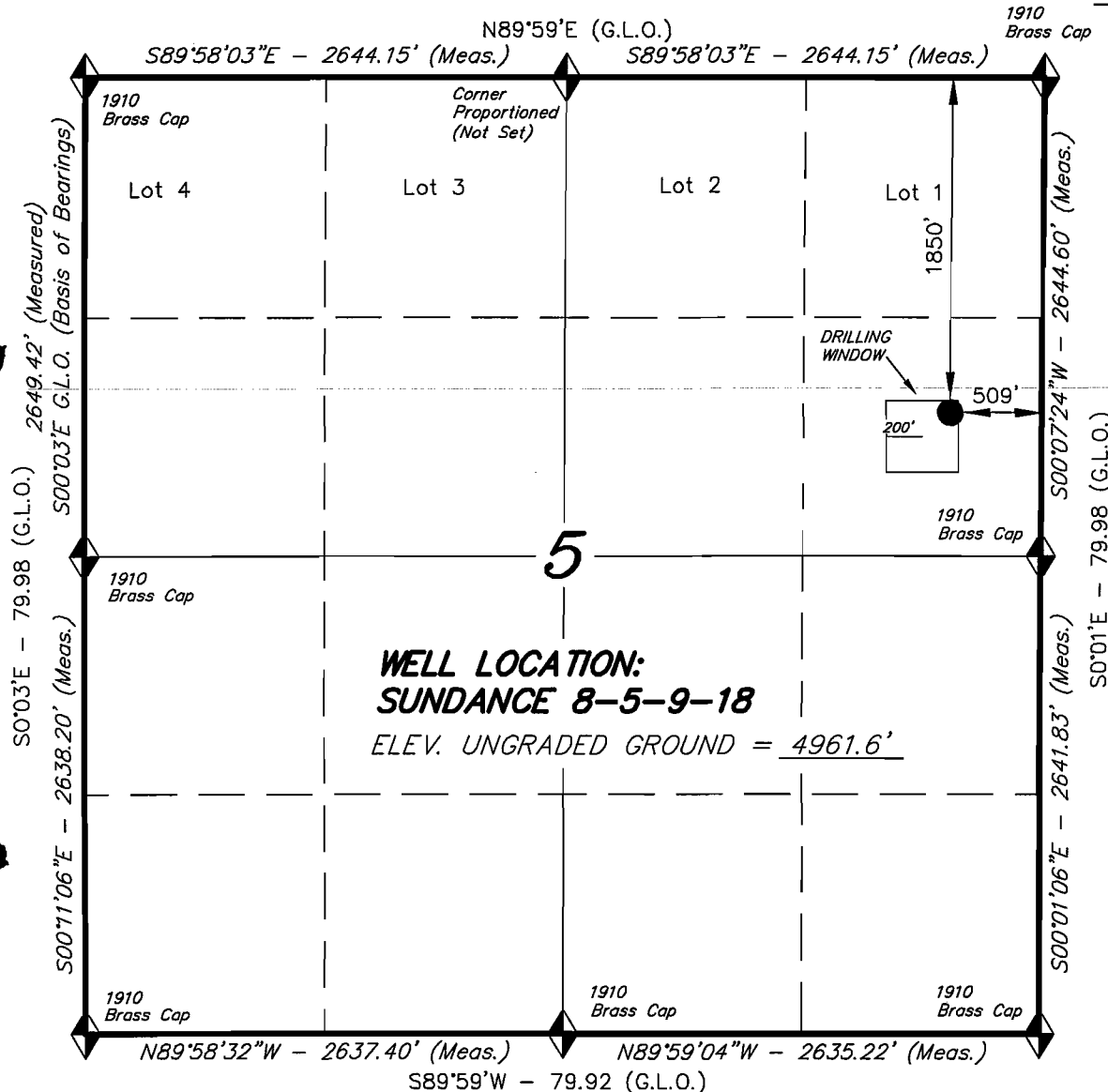
RECEIVED

NOV 16 2005

DIV. OF OIL, GAS & MINING

**T9S, R18E, S.L.B.&M.**

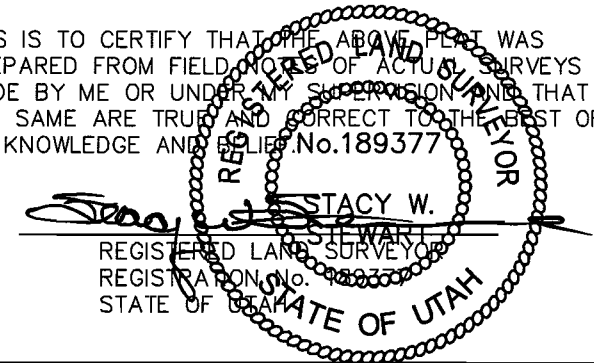
**NEWFIELD PRODUCTION COMPANY**



WELL LOCATION, SUNDANCE 8-5-9-18,  
LOCATED AS SHOWN IN THE SE 1/4 NE  
1/4 OF SECTION 5, T9S, R18E, S.L.B.&M.  
UINTAH COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF. No. 189377



**TRI STATE LAND SURVEYING & CONSULTING**  
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

SCALE: 1" = 1000'	SURVEYED BY: C.M.
DATE: 10-13-05	DRAWN BY: F.T.M.
NOTES:	FILE #

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (PARIETTE DRAW SW)

NEWFIELD PRODUCTION COMPANY  
SUNDANCE FEDERAL #8-5-9-18  
SE/NE SECTION 5, T9S, R18E  
UINTAH COUNTY, UTAH

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta	0' – 2190'
Green River	2190'
Wasatch	6085'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River Formation 2190' – 6085' - Oil

4. PROPOSED CASING PROGRAM

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

Please refer to the Monument Butte Field SOP. See Exhibit "C".

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

Please refer to the Monument Butte Field SOP.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Please refer to the Monument Butte Field SOP.

8. TESTING, LOGGING AND CORING PROGRAMS:

Please refer to the Monument Butte Field SOP.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

Please refer to the Monument Butte Field SOP.

**NEWFIELD PRODUCTION COMPANY  
SUNDANCE FEDERAL #8-5-9-18  
SE/NE SECTION 5, T9S, R18E  
UINTAH COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**MULTI-POINT SURFACE USE & OPERATIONS PLAN**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Newfield Production Company well location site Federal #8-5-9-18 located in the SE 1/4 NE 1/4 Section 5, T9S, R18E, Uintah County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southeasterly along Hwy 53 - 11.7 miles  $\pm$  to it's junction with an existing road to the southeast; proceed southeasterly - 3.6 miles  $\pm$  to it's junction with an existing road to the northeast; proceed northeasterly - 2.9 miles  $\pm$  to it's junction with the beginning of the proposed access road; proceed along the proposed access road - 1,670'  $\pm$  to the proposed well location.

**2. PLANNED ACCESS ROAD**

See Topographic Map "B" for the location of the proposed access road.

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

**4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

All permanent surface equipment will be painted Carlsbad Canyon.  
Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

**5. LOCATION AND TYPE OF WATER SUPPLY**

Please refer to the Monument Butte Field SOP. See Exhibit "A".

**6. SOURCE OF CONSTRUCTION MATERIALS**

Please refer to the Monument Butte Field SOP.

**7. METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Monument Butte Field SOP.

**8. ANCILLARY FACILITIES**

Please refer to the Monument Butte Field SOP.

9. **WELL SITE LAYOUT**

See attached Location Layout Diagram.

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

11. **SURFACE OWNERSHIP** - Bureau Of Land Management

12. **OTHER ADDITIONAL INFORMATION**

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #03-62, 6/20/03. Paleontological Resource Survey prepared by, Wade E. Miller, 6/7/03. See attached report cover pages, Exhibit "D".

For the Sundance Federal #8-5-9-18 Newfield Production Company requests 1670' of disturbed area be granted in Lease UTU-65970 to allow for construction of the proposed access road. **Refer to Topographic Map "B"**. The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%. There will be a culvert required along this access road. There will be barrow ditches and turnouts as needed along this road. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Newfield Production Company requests 1670' of disturbed area be granted in Lease UTU-65970 to allow for construction of the proposed gas lines. It is proposed that the disturbed area will be 50' wide to allow for construction of a buried 6" gas gathering line, and a buried 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

**Water Disposal**

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

**Threatened, Endangered, And Other Sensitive Species**

**Golden Eagle:** Due to this proposed well access roads proximity (less than 0.5 mile) to an existing inactive golden eagle nest site, no new construction or surface disturbing activities will be allowed between March 1 and May 15. If the nest remains inactive on May 15<sup>th</sup> (based on a pre-construction survey by a qualified biologist), the operator may construct and drill the location between May 15 and March 1 of the following year. If the nest site becomes active prior to May 15, no new construction or surface disturbing activities will be allowed within 0.5 mile of the nest until the nest becomes inactive for two full breeding seasons. In the event that this well becomes a producing well, it must be equipped with a multi-cylinder engine or hospital muffler to reduce noise levels.

**Reserve Pit Liner**

A 12 mil liner with felt is required. Please refer to the Monument Butte Field SOP.

**Location and Reserve Pit Reclamation**

Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Rabbit Bush		3 lbs/acre
Shadscale	<i>Atriplex confertifolia</i>	3 lbs/acre
Indian Ricegrass	<i>Oryzopsis hymenoides</i>	3 lbs/acre
Needle and Threadgrass	<i>Stipa Comata</i>	3 lbs/acre

**Details of the On-Site Inspection**

The proposed Sundance Federal #8-5-9-18 was on-sited on 7/13/05. The following were present; Shon McKinnon (Newfield Production), Byron Tolman (Bureau of Land Management), Melissa Hawk (Bureau of Land Management), and Amy Torres (Bureau of Landmanagement). Weather conditions were clear and ground cover was 100% open.

13. **LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION**

**Representative**

Name: Shon McKinnon  
Address: Route #3 Box 3630  
Myton, UT 84052  
Telephone: (435) 646-3721

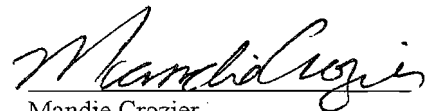
**Certification**

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #8-5-9-18 SE/NE Section 5, Township 9S, Range 18E: Lease UTU-65970 Uintah County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

11/14/05

Date

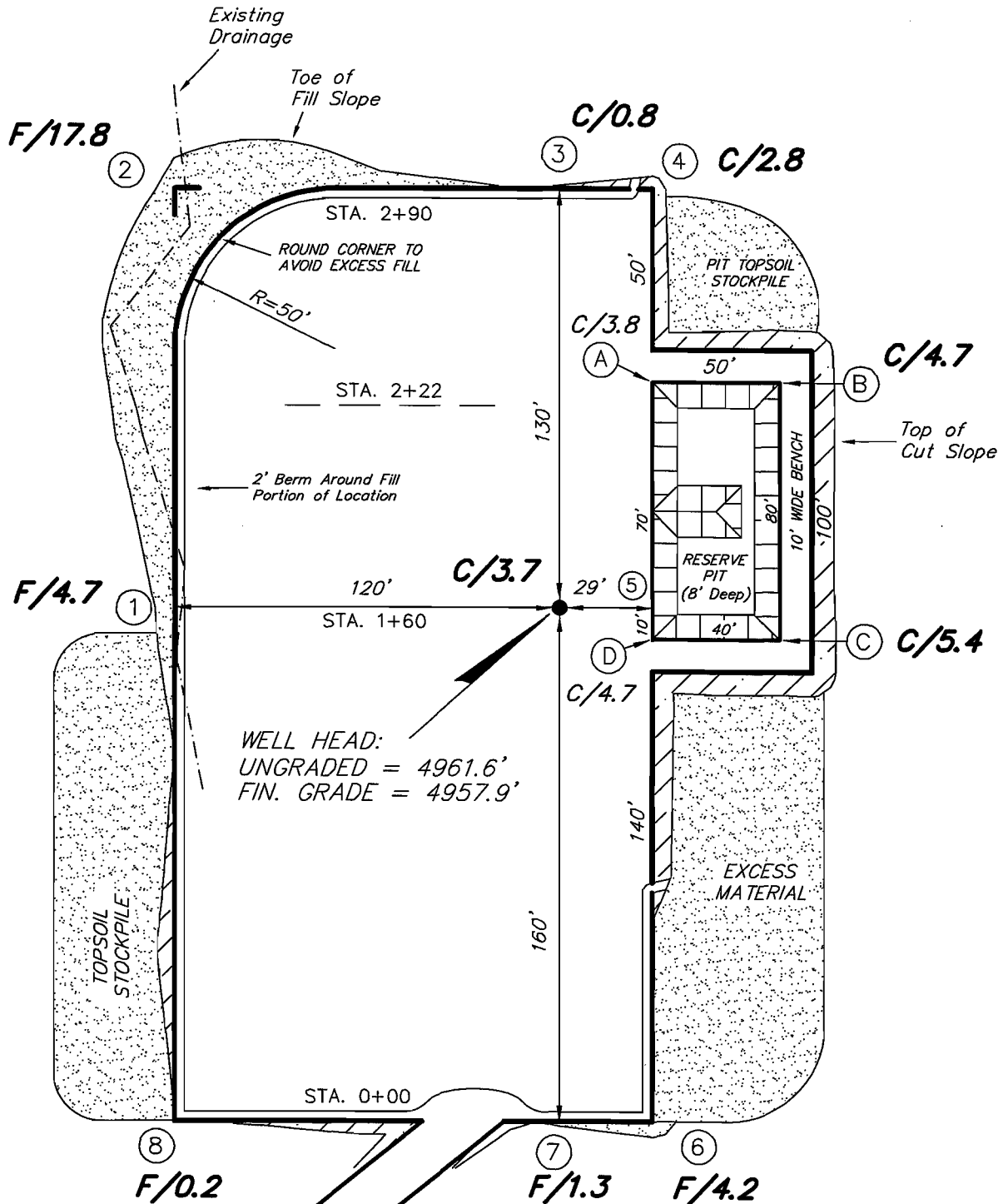
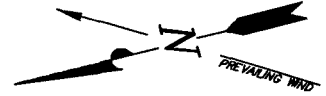


Mandie Crozier  
Regulatory Specialist  
Newfield Production Company

# NEWFIELD PRODUCTION COMPANY

SUNDANCE 8-5-9-18

Section 5, T9S, R18E, S.L.B.&M.



## REFERENCE POINTS

170' NORTHERLY = 4957.2'  
 220' NORTHERLY = 4958.9'  
 180' EASTERLY = 4955.5'  
 230' EASTERLY = 4947.9'

SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

DATE: 10-13-05

**Tri State**  
 Land Surveying, Inc.

(435) 781-2501

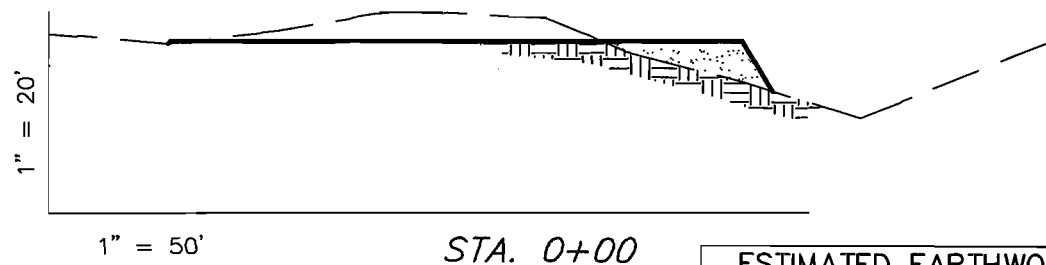
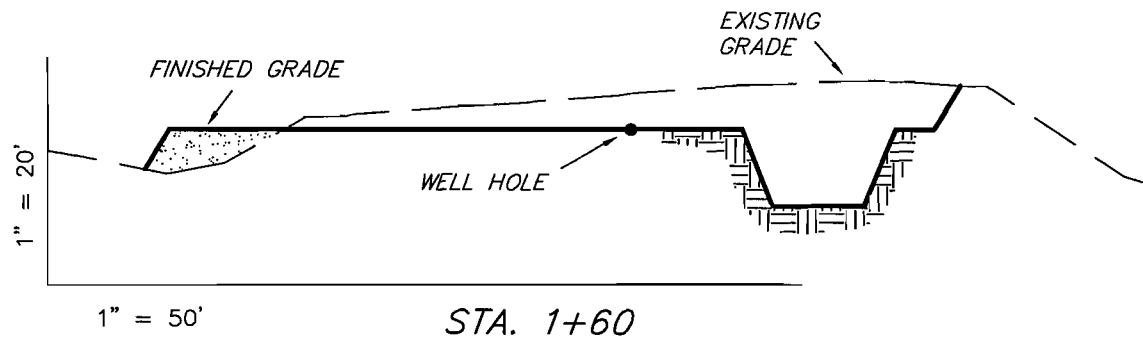
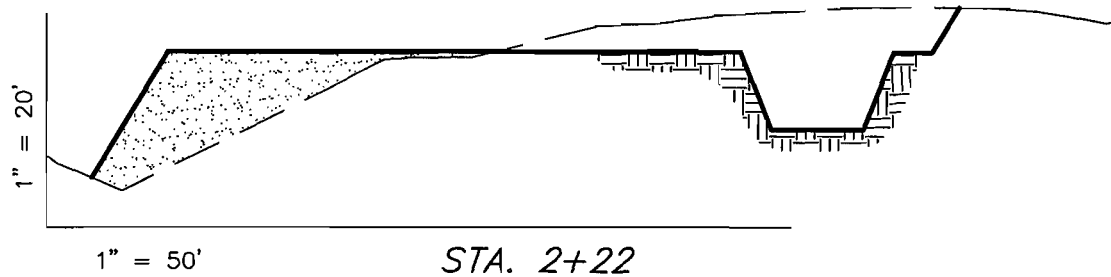
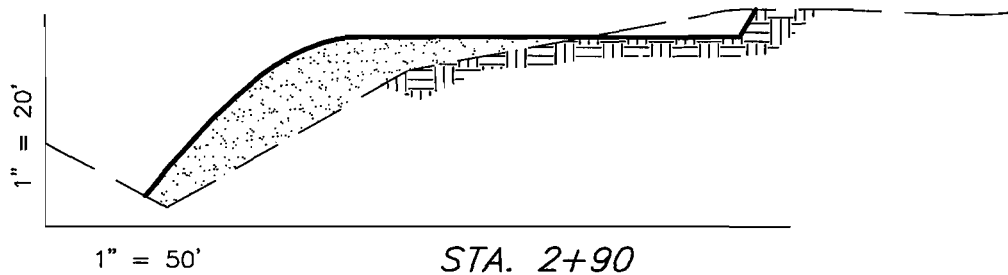
180 NORTH VERNAL AVE. VERNAL, UTAH 84078



# NEWFIELD PRODUCTION COMPANY

## CROSS SECTIONS

SUNDANCE 8-5-9-18



NOTE:  
UNLESS OTHERWISE NOTED  
ALL CUT/FILL SLOPES ARE  
AT 1.5:1

### ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	3,290	3,280	Topsoil is not included in Pad Cut	10
PIT	640	0		640
TOTALS	3,930	3,280	1,010	650

SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

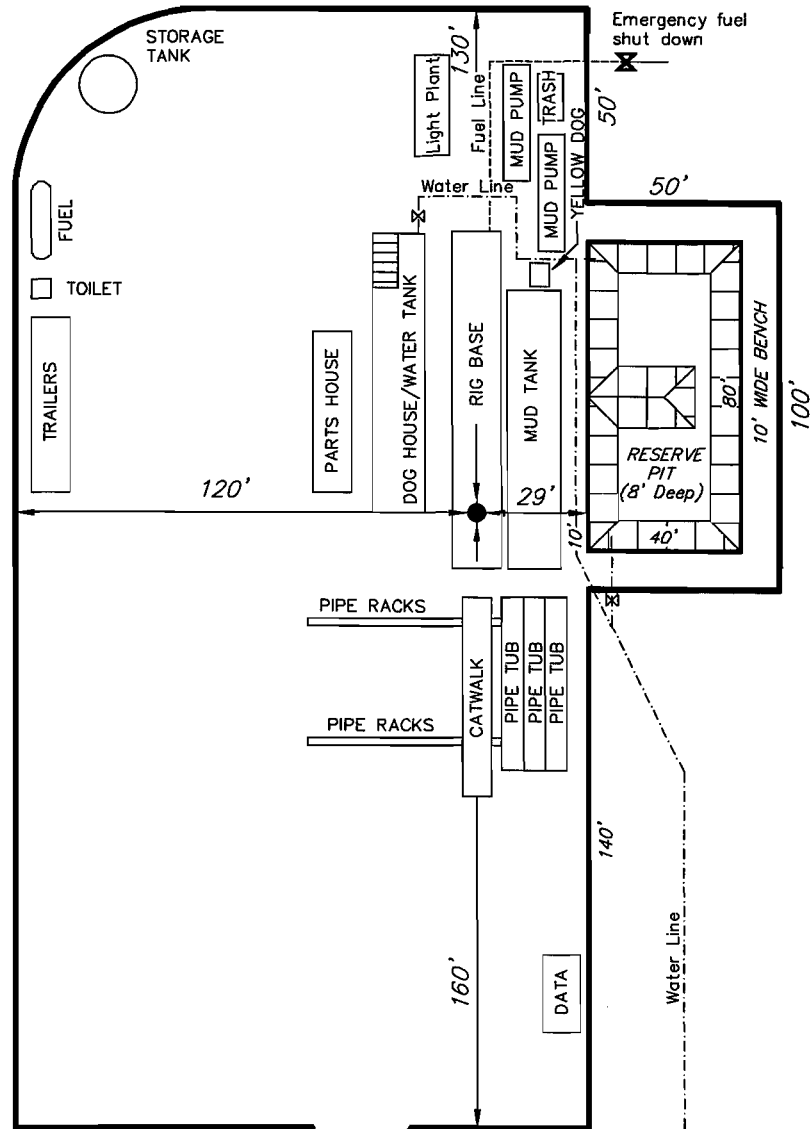
DATE: 10-13-05

Tri State  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
(435) 781-2501

# NEWFIELD PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

### SUNDANCE 8-5-9-18



PROPOSED ACCESS  
ROAD (Max. 6% Grade)

SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

DATE: 10-13-05

**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
(435) 781-2501





**NEWFIELD**  
Exploration Company

**Sundance 8-5-9-18**  
**SEC. 5, T9S, R18E, S.L.B.&M.**







**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 100,000  
DRAWN BY: mww  
DATE: 10-19-2005

**Legend**

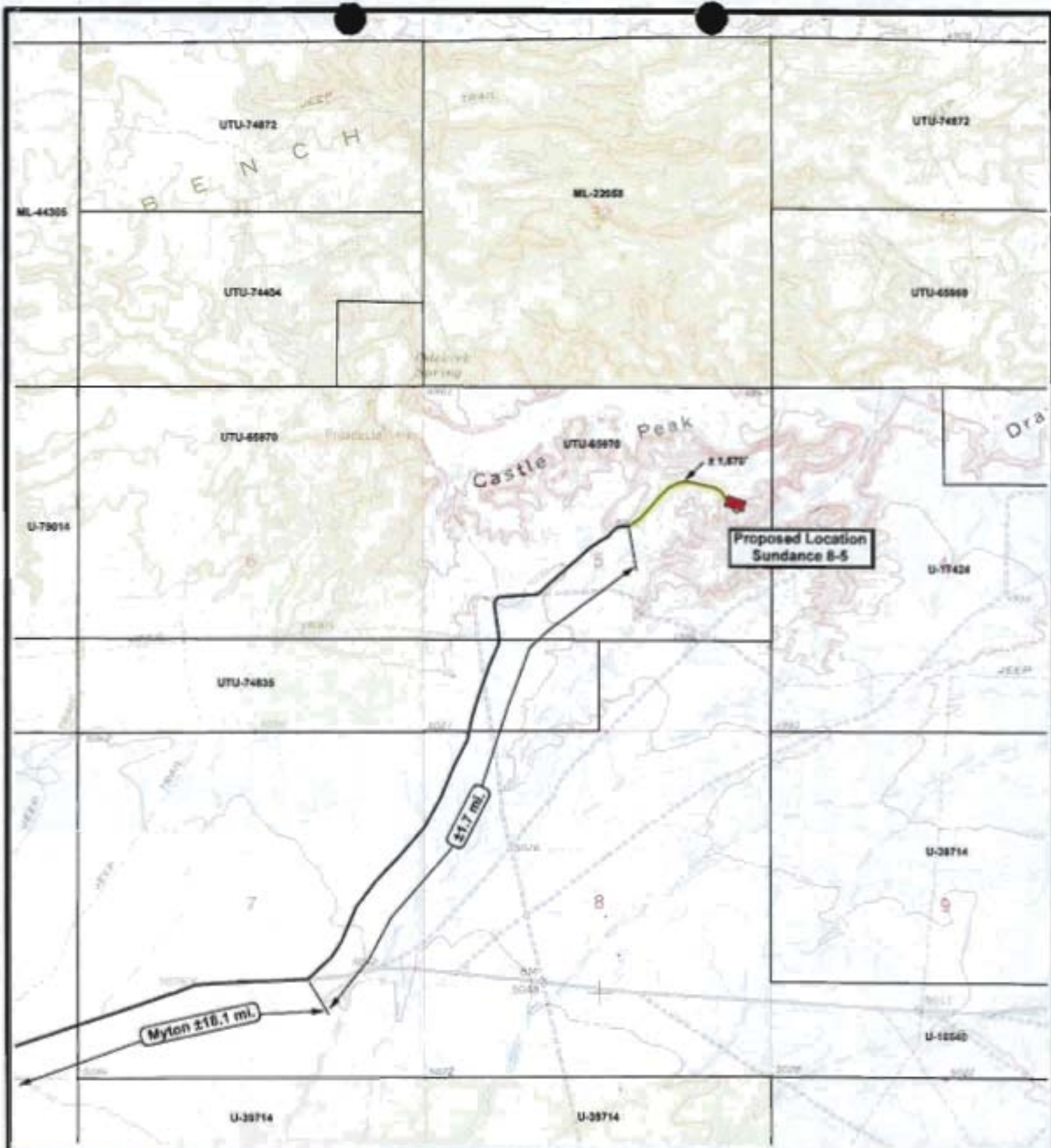
 Existing Road




 Proposed Access

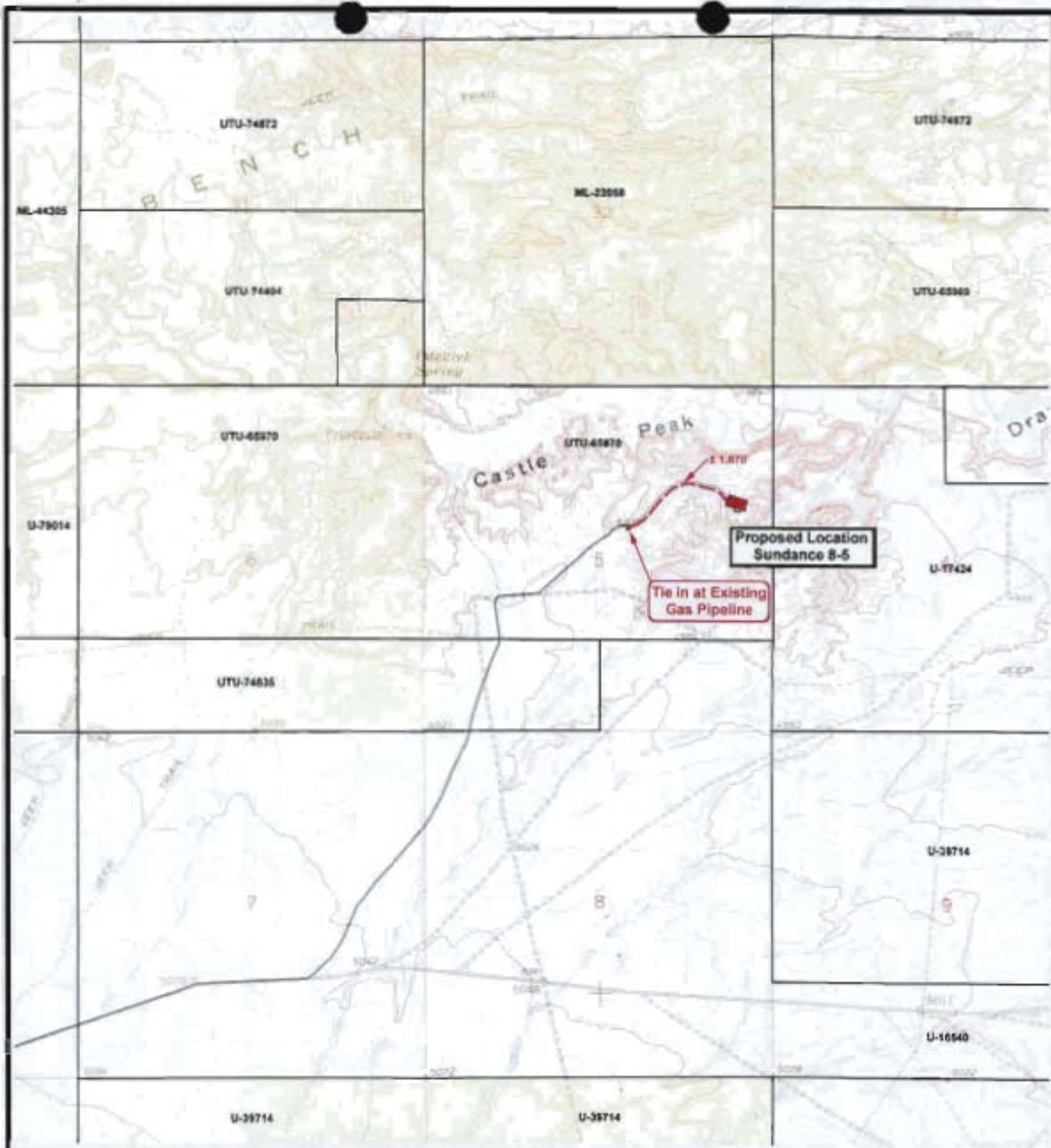
**TOPOGRAPHIC MAP**




**"A"**



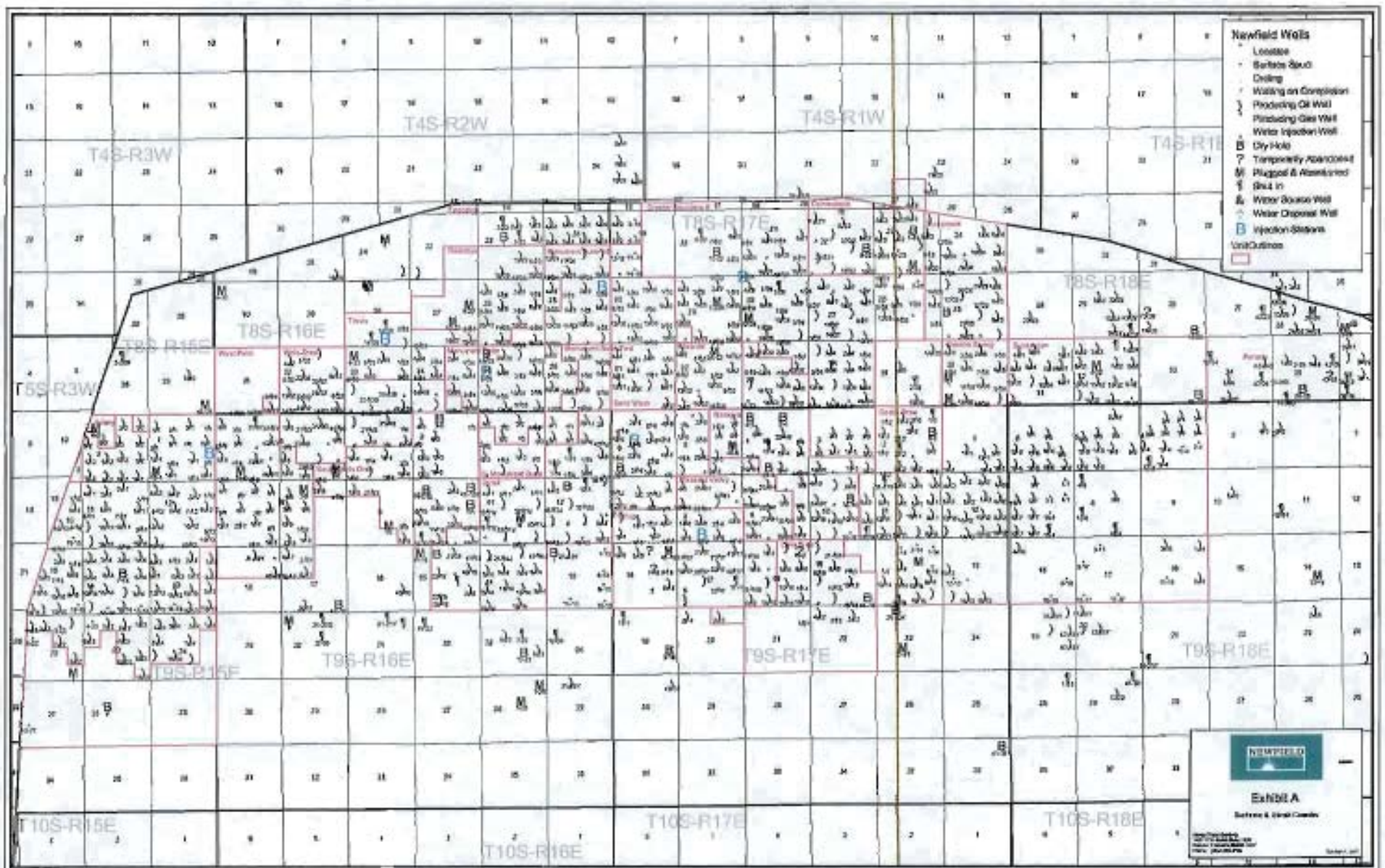


 <p><b>NEWFIELD</b> Exploration Company</p> <p><b>Sundance 8-5-9-18</b> <b>SEC. 5, T9S, R18E, S.L.B.&amp;M.</b></p>		 <p><b>Tri-State</b> <i>Land Surveying Inc.</i> (435) 781-2501 180 North Vernal Ave. Vernal, Utah 84078</p> <p>SCALE: 1" = 2,000'</p> <p>DRAWN BY: mmw</p> <p>DATE: 10-19-2005</p>	<p><b>Legend</b></p> <p>Existing Road</p> <p>Proposed Access</p> <p><b>TOPOGRAPHIC MAP</b></p> <p><b>"B"</b></p>
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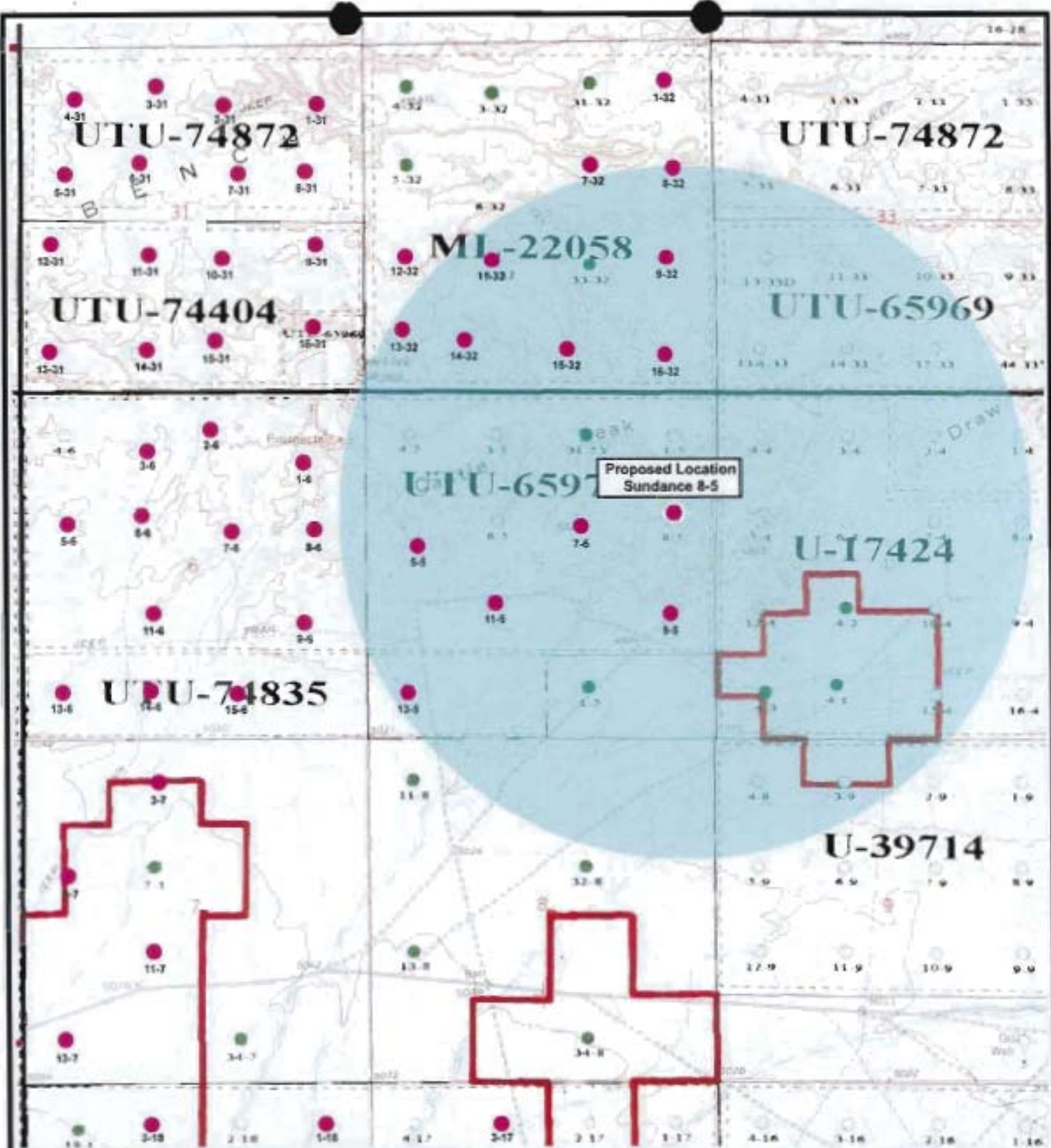





 <p><b>NEWFIELD</b> Exploration Company</p> <p><b>Sundance 8-5-9-18</b> <b>SEC. 5, T9S, R18E, S.L.B.&amp;M.</b></p>		 <p><b>Tri-State</b> Land Surveying Inc. (435) 781-2501 180 North Vernal Ave. Vernal, Utah 84078</p> <p>SCALE: 1" = 2,000' DRAWN BY: mw DATE: 10-19-2005</p>	<p><b>Legend</b></p> <p>— Roads - - - Proposed Gas Line</p> <p><b>TOPOGRAPHIC MAP</b></p> <p><b>"C"</b></p>
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 <p><b>NEWFIELD</b> Exploration Company</p>		 <p><b>Tri-State</b> Land Surveying Inc. (435) 781-2501 180 North Vernal Ave., Vernal, Utah 84078</p>	<p><b>Legend</b></p> <ul style="list-style-type: none"> <li>Well Locations</li> <li>One-Mile Radius</li> </ul>
		<p><b>Sundance 8-5-9-18</b> <b>SEC. 5, T9S, R18E, S.L.B.&amp;M.</b></p>	<p>SCALE: 1" = 2,000'</p> <p>DRAWN BY: mw</p> <p>DATE: 10-19-2005</p>

# 2-M SYSTEM

Blowout Prevention Equipment Systems

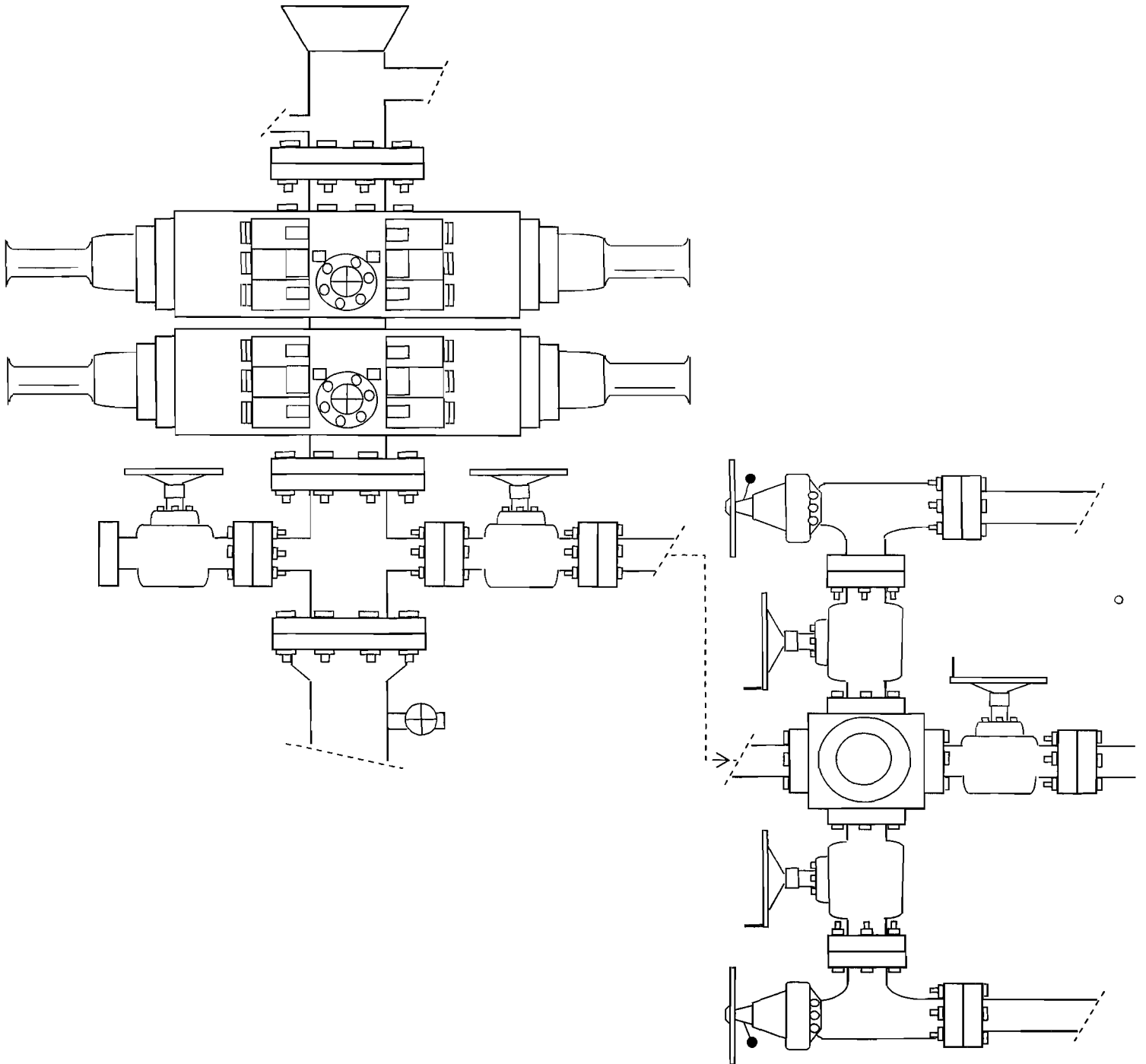


EXHIBIT C



Exhibit "D"

Page 1 of 2

CULTURAL RESOURCE INVENTORY OF  
INLAND RESOURCES' BLOCK PARCELS IN  
T 9S, R 18E, SECTION 5 and  
T9S, R17E, SECTIONS 9 AND 10  
DUCHESNE AND Uintah COUNTIES, UTAH

BY:

Angela Whitfield  
and  
Mark C. Bond

Prepared For:

Bureau of Land Management  
Vernal Field Office

Prepared Under Contract With:

Jon D. Holst & Company  
for  
Inland Resources  
2507 Flintridge Place  
Fort Collins, CO 80521

Prepared By:

Montgomery Archaeological Consultants  
P.O. Box 147  
Moab, Utah 84532

MOAC Report No. 03-62

June 20, 2003

United States Department of Interior (FLPMA)  
Permit No. 03-UT-60122

State of Utah Antiquities Project (Survey)  
Permit No. U-03-MQ-0390b

**INLAND RESOURCES, INC.**

**PALEONTOLOGICAL FIELD SURVEY OF PROPOSED  
PRODUCTION DEVELOPMENT AREAS,  
DUCHESNE COUNTY, UTAH**

(South half Section 13, south half Section 14, south half Section 15,  
entire Sections 22, 23, 24, T 9 S, R 15 E; Section 5 minus SW &  
SE 1/4, SE 1/4, and existing well site at NW 1/4, NE 1/4, T 9 S, R 18 E)

**REPORT OF SURVEY**

Prepared for:

**Inland Resources, Inc.**

Prepared by:

Wade E. Miller  
Consulting Paleontologist  
June 7, 2003

**WORKSHEET**  
**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 11/16/2005

API NO. ASSIGNED: 43-047-37390

WELL NAME: SUNDANCE FED 8-5-9-18

OPERATOR: NEWFIELD PRODUCTION ( N2695 )

CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

SWNE 05 090S 180E

SURFACE: 2131 FNL 1953 FEL

BOTTOM: 1985 FNL 0661 FEL

COUNTY: Uintah

LATITUDE: 40.06127 LONGITUDE: -109.9142

UTM SURF EASTINGS: 592604 NORTHINGS: 4434912

FIELD NAME: 8 MILE FLAT NORTH ( 590 )

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-65970

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat  
☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. UTB00192 )  
☒ Potash (Y/N)  
☒ Oil Shale 190-5 (B) or 190-3 or 190-13  
☒ Water Permit  
(No. MUNICIPAL )  
☒ RDCC Review (Y/N)  
(Date: )  
☒ Fee Surf Agreement (Y/N)  
☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

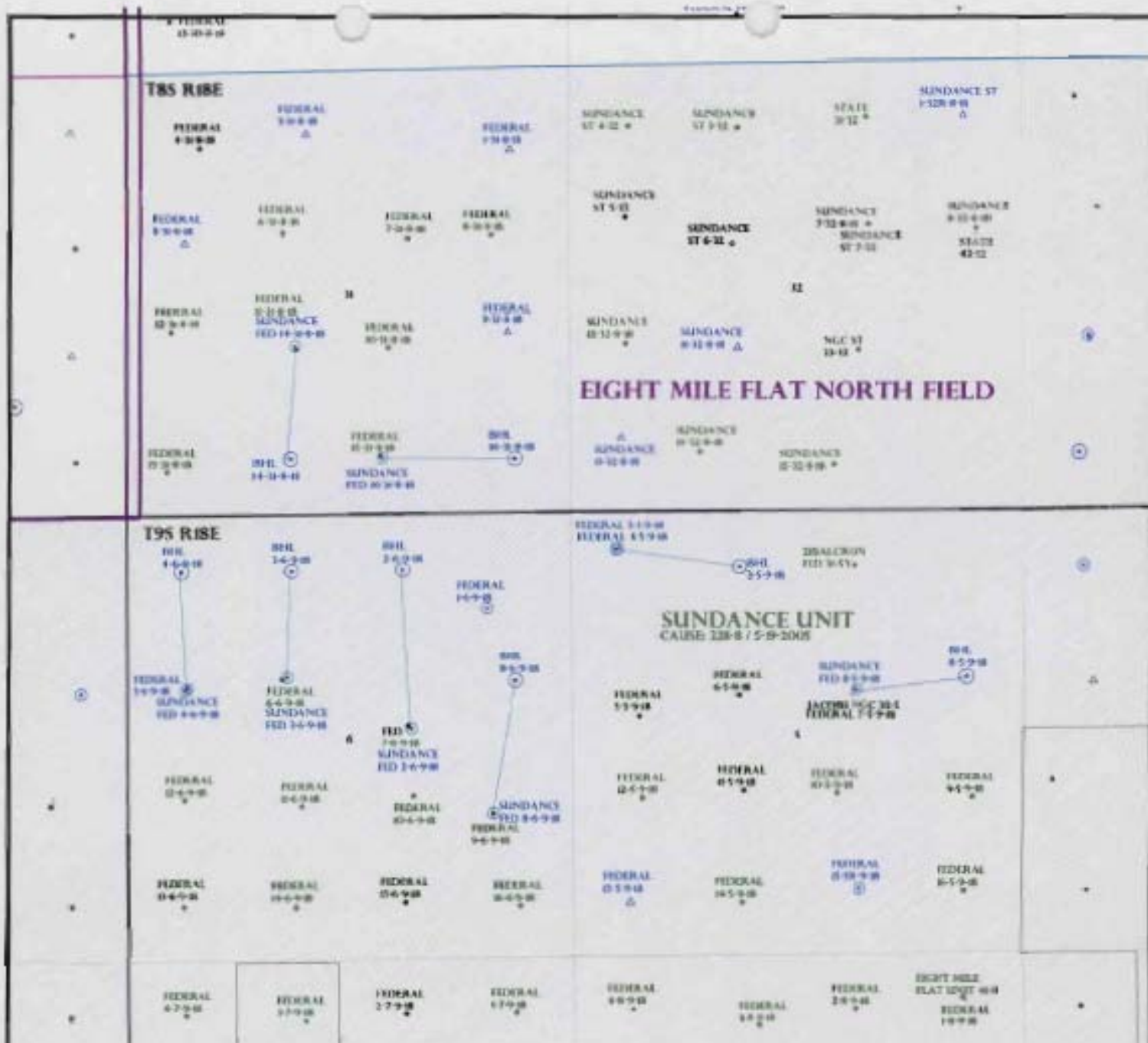
☒ R649-2-3.  
Unit: SUNDANCE (GRRV)  
☒ R649-3-2. General  
Siting: 460' From Qtr/Qtr & 920' Between Wells  
☒ R649-3-3. Exception  
☒ Drilling Unit  
Board Cause No: 228-8  
Eff Date: 5-19-2005  
Siting: 460' fr 12 bdrf & 920' fr other wells.  
☒ R649-3-11. Directional Drill

COMMENTS:

*Sep. Separable Site*

STIPULATIONS:

*1- Edey Approval*



OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 5,6 T.9S R.18E

FIELD: EIGHT MILE FLAT NORTH (990)

COUNTY: UTAH

CAUSE: 228-8 / 5-19-2005

**Field Status**  
 [ ] ABANDONED  
 [ ] ACTIVE  
 [ ] COMBINED  
 [ ] INACTIVE  
 [ ] PROPOSED  
 [ ] STORAGE  
 [ ] TERMINATED

**Unit Status**  
 [ ] EXPLORATORY  
 [ ] GAS STORAGE  
 [ ] NF PP OIL  
 [ ] NF SECONDARY  
 [ ] PENDING  
 [ ] PI OIL  
 [ ] PP GAS  
 [ ] PP GEOTHERMAL  
 [ ] PP OIL  
 [ ] SECONDARY  
 [ ] TERMINATED

**Wells Status**  
 [ ] GAS INJECTION  
 [ ] GAS STORAGE  
 [ ] LOCATION ABANDONED  
 [ ] NEW LOCATION  
 [ ] PLUGGED & ABANDONED  
 [ ] PRODUCING GAS  
 [ ] PRODUCING OIL  
 [ ] SHUT-IN GAS  
 [ ] SHUT-IN OIL  
 [ ] TEMP. ABANDONED  
 [ ] TEST WELL  
 [ ] WATER INJECTION  
 [ ] WATER SUPPLY  
 [ ] WATER DISPOSAL  
 [ ] DRILLING



PREPARED BY: DIANA MASON  
 DATE: 03-APRIL-2007

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 11/16/2005

API NO. ASSIGNED: 43-047-37390

WELL NAME: SUNDANCE FED 8-5-9-18

OPERATOR: NEWFIELD PRODUCTION ( N2695 )

CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

SENE 05 090S 180E

SURFACE: 1850 FNL 0509 FEL

BOTTOM: 1850 FNL 0509 FEL

UINTAH

8 MILE FLAT NORTH ( 590 )

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-65970

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV

COALBED METHANE WELL? NO

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LATITUDE: 40.06203

LONGITUDE: -109.9090

RECEIVED AND/OR REVIEWED:

☒ Plat

☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. UT0056 )

☒ Potash (Y/N)

☒ Oil Shale 190-5 (B) or 190-3 or 190-13

☒ Water Permit  
(No. MUNICIPAL )

☒ RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )

☒ Fee Surf Agreement (Y/N)

☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

       R649-2-3.

Unit SUNDANCE (GRRV)

       R649-3-2. General

Siting: 460 From Qtr/Qtr & 920' Between Wells

       R649-3-3. Exception

☒ Drilling Unit

Board Cause No: 228-08

Eff Date: 6-15-05

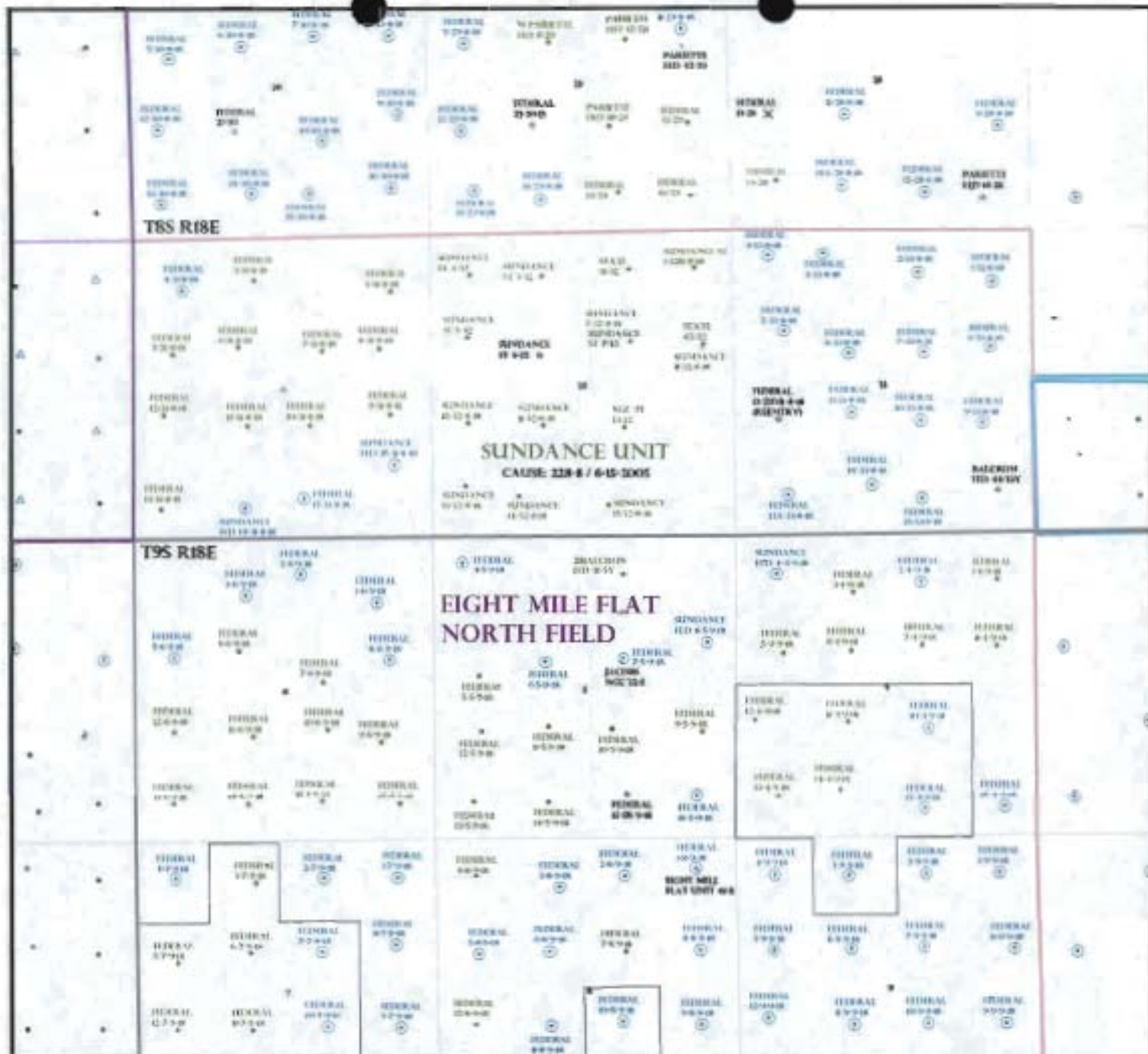
Siting: Surround General Siting

       R649-3-11. Directional Drill

COMMENTS: \_\_\_\_\_

STIPULATIONS: \_\_\_\_\_

1-Federal Approved



OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 45 T. 9S R. 18E

FIELD: EIGHT MILE FLAT NORTH (590)

COUNTY: Uintah

CAUSE: 228-6 / 6-15-2005

**Field Status**

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

**Unit Status**

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERMAL
- PP OIL
- SECONDARY
- TERMINATED

**Wells Status**

- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING



PREPARED BY: DIANA WHITNEY  
DATE: 17-NOVEMBER-2005

# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:  
3160  
(UT-922)

November 17, 2005

### Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2005 Plan of Development Sundance Unit, Uintah County,  
Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2005 within the Sundance Unit, Uintah County, Utah.

API#	WELL NAME	LOCATION
(Proposed PZ Green River)		
43-047-37388	Sundance Federal	16-31-8-18 Sec 31 T08S R18E 1290 FSL 0648 FEL
43-047-37389	Sundance Federal	4-4-9-18 Sec 04 T09S R18E 0673 FNL 0719 FWL
43-047-37390	Sundance Federal	8-5-9-18 Sec 05 T09S R18E 1850 FNL 0509 FEL

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File – Sundance Unit  
Division of Oil Gas and Mining  
Central Files  
Agr. Sec. Chron  
Fluid Chron

MCoulthard:mc:11-17-05





**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

November 17, 2005

Newfield Production Company  
Rt. #3, Box 3630  
Myton, UT 84052

Re: Sundance Federal 8-5-9-18 Well, 1850' FNL, 509' FEL, SE NE, Sec. 5,  
T. 9 South, R. 18 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-37390.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

cc: Uintah County Assessor  
Bureau of Land Management, Vernal District Office



Operator: Newfield Production Company  
Well Name & Number Sundance Federal 8-5-9-18  
API Number: 43-047-37390  
Lease: UTU-65970

Location: SE NE Sec. 5 T. 9 South R. 18 East

### Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
OCT 30 2006  
DIV. OF OIL, GAS & MINING

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

UTU-65970

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

SUNDANCE

8. Well Name and No.

FEDERAL 8-5-9-18

9. API Well No.

43-047-37390

10. Field and Pool, or Exploratory Area

EIGHT MILE FLAT NORTH

11. County or Parish, State

UINTAH COUNTY, UT.

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3. Address and Telephone No.

Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

1850 FNL 509 FEL SE/NE Section 5, T9S R18E

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Permit Extension

☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

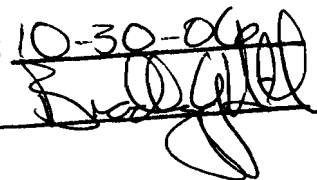
13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Newfield Production Company requests to extend the Permit to Drill this well for one year. The original approval date was 11/17/05 (expiration 11/17/06).

This APD has not been approved yet by the BLM.

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date:

10-30-06  


By:

COPY SENT TO OPERATOR  
DATE: 10-31-06  
TIME: 2 PM

4. I hereby certify that the above information is correct.

Signed

Mandi Glover

Regulatory Specialist

Date

10-27-2006

CC: ELMEDDOME

1. I hereby certify that the above information is correct.

Signed



RECEIVED

OCT 30 2006

**Application for Permit to Drill  
Request for Permit Extension**

**Validation**

(this form should accompany the Sundry Notice requesting permit extension)

**API:** 43-047-37390  
**Well Name:** Federal 8-5-9-18  
**Location:** SE/NE Section 5, T9S R18E  
**Company Permit Issued to:** Newfield Production Company  
**Date Original Permit Issued:** 11/17/2005

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☒ (A)

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

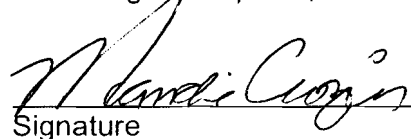
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐

  
Signature

10/27/2006

Date

Title: Regulatory Specialist

Representing: Newfield Production Company

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

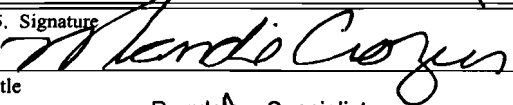
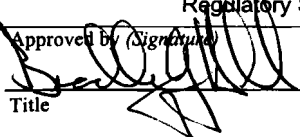
FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-65970
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. Sundance
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Sundance Federal 8-5-9-18
3b. Phone No. (include area code) (435) 646-3721		9. API Well No. 43047-37390
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SW/NE 2131' FNL 1953' FEL At proposed prod. zone SE/NE 1985' FNL 661' FEL		10. Field and Pool, or Exploratory Eight Mile Flat 590
14. Distance in miles and direction from nearest town or post office* Approximatley 19.8 miles southeast of Myton, Utah		11. Sec., T., R., M., or Blk. and Survey or Area SWNE Sec. 5, T9S R18E
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 661' f/ase, 5941' f/unit	16. No. of Acres in lease 1,036.24	17. Spacing Unit dedicated to this well 40 Acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1472'	19. Proposed Depth 6150'	20. BLM/BIA Bond No. on file UTB000192
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 4980' GL	22. Approximate date work will start* 3rd Quarter 2007	23. Estimated duration Approximately seven (7) days from apud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- |   |  |
|---|--|
| 1. Well plat certified by a registered surveyor.  | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).    |
| 2. A Drilling Plan.   | 5. Operator certification.   |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 3/29/07
Title Regulatory Specialist		
Approved by (Signature) 	Name (Printed/Typed) BRADLEY G. HILL	Date 04-23-07
Title Officer	ENVIRONMENTAL MANAGER	

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

RECEIVED

Federal Approval of this  
Action Is Necessary

MAR 30 2007

DIV. OF OIL, GAS & MINING

COPY SENT TO OPERATOR  
Date: 4-23-07  
Initials: DM

Surf

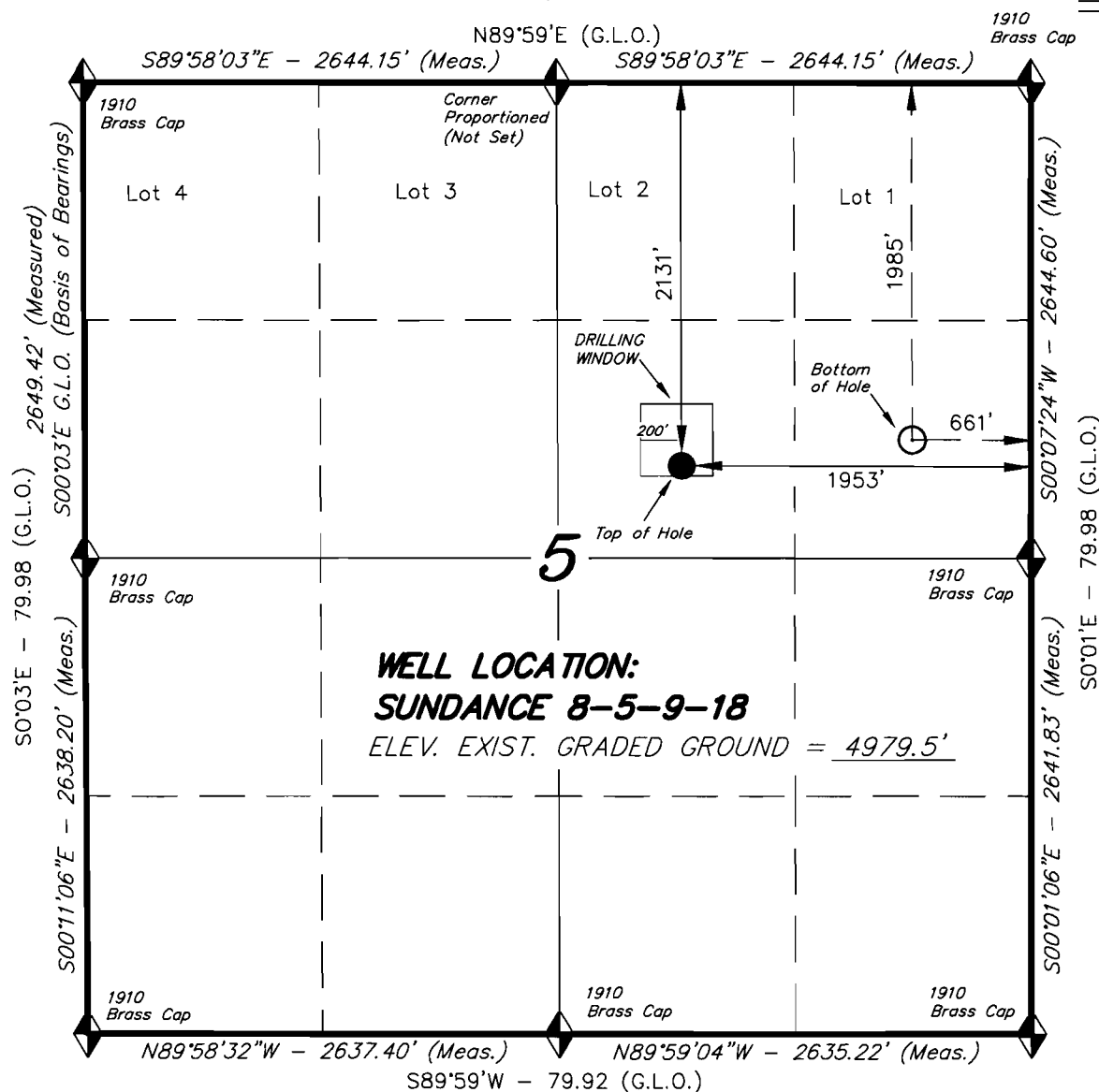
BHL

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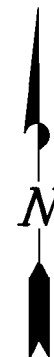
592997X  
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-109.909586

**T9S, R18E, S.L.B.&M.**

**NEWFIELD PRODUCTION COMPANY**



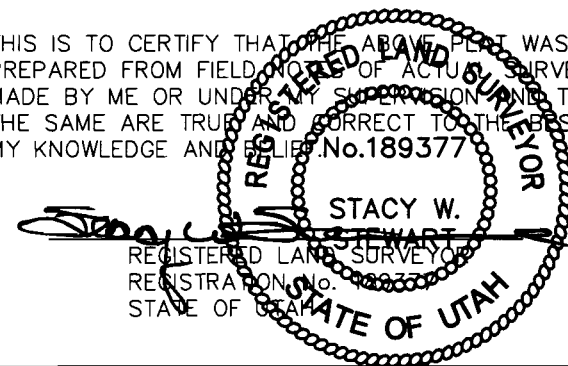
WELL LOCATION, SUNDANCE 8-5-9-18,  
LOCATED AS SHOWN IN THE SW 1/4 NE  
1/4 OF SECTION 5, T9S, R18E, S.L.B.&M.  
UINTAH COUNTY, UTAH.



**Note:**

The Bottom hole bears S83°35'23"W  
1,299.59' from the Well Head.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF. No. 189377



◆ = SECTION CORNERS LOCATED

BASIS OF ELEV;  
U.S.G.S. 7-1/2 min QUAD (PARIETTE DRAW SW)

**SUNDANCE 8-5-9-18**  
**(Surface Location) NAD 83**  
LATITUDE = 40° 03' 40.70"  
LONGITUDE = 109° 54' 53.80"

**TRI STATE LAND SURVEYING & CONSULTING**

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

DATE SURVEYED: 10-02-06	SURVEYED BY: C.M.
DATE DRAWN: 10-04-06	DRAWN BY: T.C.J.
REVISED:	SCALE: 1" = 1000'

**NEWFIELD PRODUCTION COMPANY  
SUNDANCE FEDERAL #8-5-9-18  
AT PROPOSED ZONE: SE/NE SECTION 5, T9S, R18E  
AT SURFACE: SW/NE SECTION 5, T9S, R18E  
UINTAH COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**DRILLING PROGRAM**

**1. GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

**2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' – 2285'
Green River	2285'
Wasatch	6150'

**3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation 2285' – 6150' - Oil

**4. PROPOSED CASING PROGRAM**

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

**5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

Please refer to the Monument Butte Field SOP. See Exhibit "C".

**6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

Please refer to the Monument Butte Field SOP.

**7. AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Please refer to the Monument Butte Field SOP.

**8. TESTING, LOGGING AND CORING PROGRAMS:**

Please refer to the Monument Butte Field SOP.

**9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered.

**10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

Please refer to the Monument Butte Field SOP.

**NEWFIELD PRODUCTION COMPANY  
SUNDANCE FEDERAL #8-5-9-18  
AT PROPOSED ZONE: SE/NE SECTION 5, T9S, R18E  
AT SURFACE: SW/NE SECTION 5, T9S, R18E  
UINTAH COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**MULTI-POINT SURFACE USE & OPERATIONS PLAN**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Newfield Production Company well location site Sundance Federal #8-5-9-18 located in the SW 1/4 NE 1/4 Section 5, T9S, R18E, Uintah County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southeasterly along Hwy 53 - 11.7 miles  $\pm$  to it's junction with an existing road to the southeast; proceed southeasterly - 3.6 miles  $\pm$  to it's junction with an existing road to the east; proceed northeasterly - 1.2 miles  $\pm$  to it's junction with an existing road to the northeast; proceed northeasterly - 1.7 miles  $\pm$  to the existing 7-5-9-18 well location.

**2. PLANNED ACCESS ROAD**

The proposed well will be drilled directionally off of the existing 7-5-9-18 well pad. See Topographic Map "B" for the location of the proposed access road.

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

**4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

It is proposed that this well will be drilled directionally off of the existing 7-5-9-18 well pad. There will be a pumping unit and a short flow line added to the tank battery for the proposed Sundance Federal 8-5-9-18. All permanent surface equipment will be painted Carlsbad Canyon.

**5. LOCATION AND TYPE OF WATER SUPPLY**

Please refer to the Monument Butte Field SOP. See Exhibit "A".

**6. SOURCE OF CONSTRUCTION MATERIALS**

The proposed Sundance Federal 8-5-9-18 will be drilled off of the existing 7-5-9-18 well pad. No additional surface disturbance will be required for this location.

**7. METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Monument Butte Field SOP.

**8. ANCILLARY FACILITIES**

Please refer to the Monument Butte Field SOP.

**9. WELL SITE LAYOUT**

See attached Location Layout Diagram.

**10. PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

**11. SURFACE OWNERSHIP - Bureau Of Land Management (Proposed location and access roads leading to).**

**12. OTHER ADDITIONAL INFORMATION**

**Water Disposal**

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

**Threatened, Endangered, And Other Sensitive Species**

**Golden Eagle:** Due to this proposed well access roads proximity (less than 0.5 mile) to an existing inactive golden eagle nest site, no new construction or surface disturbing activities will be allowed between February 1 and July 15. If the nest remains inactive on July 15<sup>th</sup> (based on a pre-construction survey by a qualified biologist), the operator may construct and drill the location between July 15 and February 1 of the following year. If the nest site becomes active prior to July 15, no new construction or surface disturbing activities will be allowed within 0.5 mile of the nest until the nest becomes inactive for two full breeding seasons. In the event that this well becomes a producing well, it must be equipped with a multi-cylinder engine or hospital muffler to reduce noise levels.

**Mountain Plover:** If new construction or surface disturbing activities are scheduled to occur between May 1 and June 15, detailed surveys of the area within 0.5 mile of the proposed location and within 300 feet of proposed access routes must be conducted to detect the presence of mountain plovers. All surveys must be conducted in accordance with the survey protocols outlined in the most recent USFWS Survey Protocol. Surveys must be completed prior to initiating new construction or surface disturbing activities. No new construction or surface disturbing activities will be allowed between March 15 and August 15 within a 0.5 mile radius of any documented mountain plover nest site.

**Reserve Pit Liner**

A 16 mil liner is required. Please refer to the Monument Butte Field SOP.

**Location and Reserve Pit Reclamation**

Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Indian Ricegrass	<i>Oryzopsis Hymenoides</i>	5 lbs/acre
Galleta Grass	<i>Hilaria Jamesii</i>	5 lbs/acre
Scarlet Globemallow	<i>Sphaeralcea Conccinea</i>	1 lbs/acre

**Details of the On-Site Inspection**

The proposed Sundance Federal #8-5-9-18 was on-sited on 11/22/06. The following were present; Dave Allred (Newfield Production), Kim Kettle (Newfield Production), Charles Sharp (Bureau of



Land Management), and Brandon MacDonald (Bureau of Land Management). Weather conditions were clear and ground cover was 100 percent open.

13. **LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION**

Representative

Name: Dave Allred  
Address: Route #3 Box 3630  
Myton, UT 84052  
Telephone: (435) 646-3721

Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #8-5-9-18 SE/NE Section 5, Township 9S, Range 18E: Lease UTU-65970 Uintah County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

3/29/07

Date

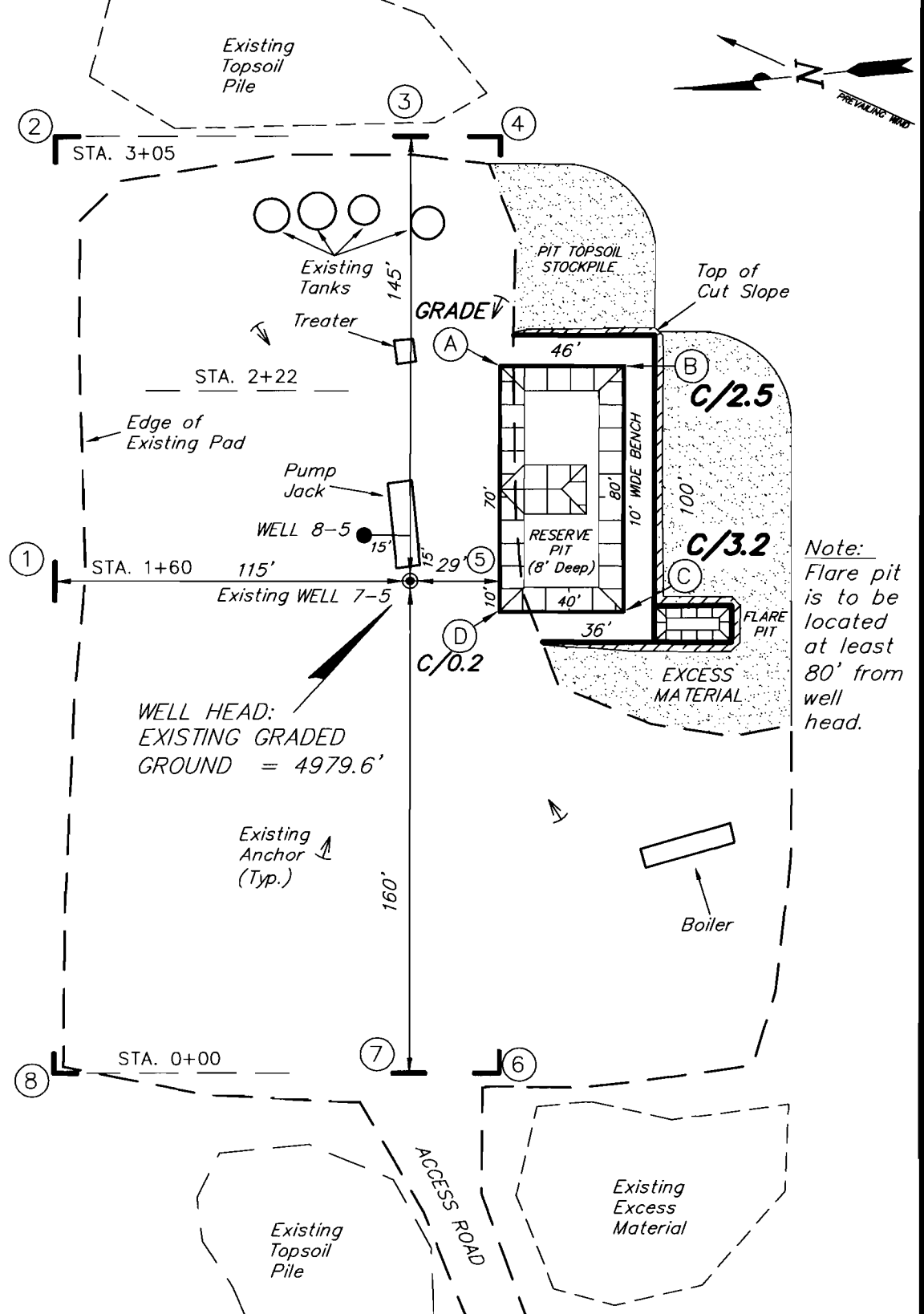
  
Mandie Crozier  
Regulatory Specialist  
Newfield Production Company

# NEWFIELD PRODUCTION COMPANY

**SUNDANCE 8-5-9-18 (Proposed Well)**

**SUNDANCE 7-5-9-18 (Existing Well)**

Pad Location: SWNE Section 5, T9S, R18E, S.L.B.&M.



SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: T.C.J.

DATE: 10-04-06

**Tri State**  
Land Surveying, Inc.

(435) 781-2501

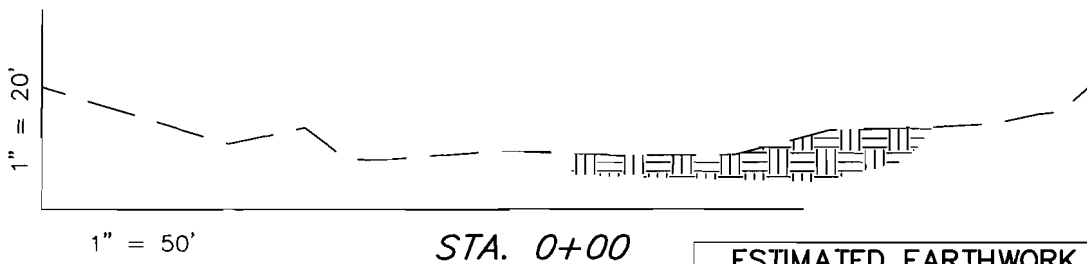
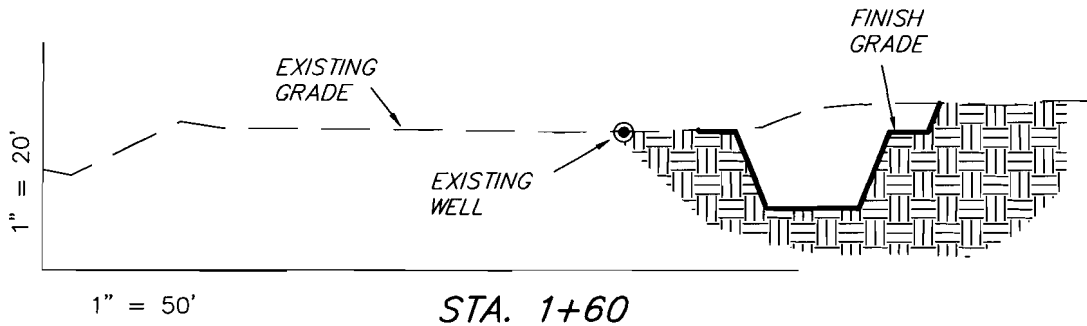
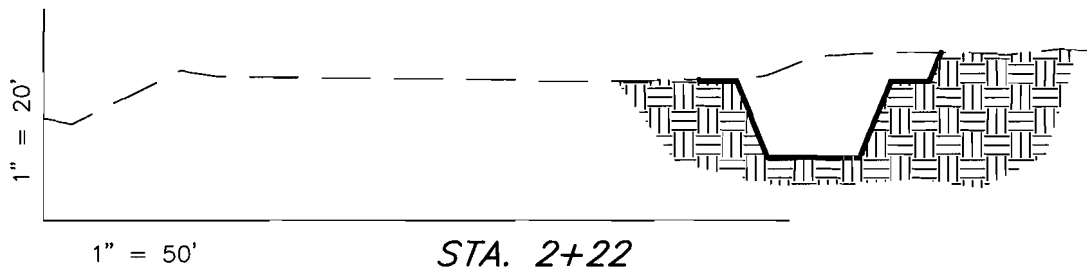
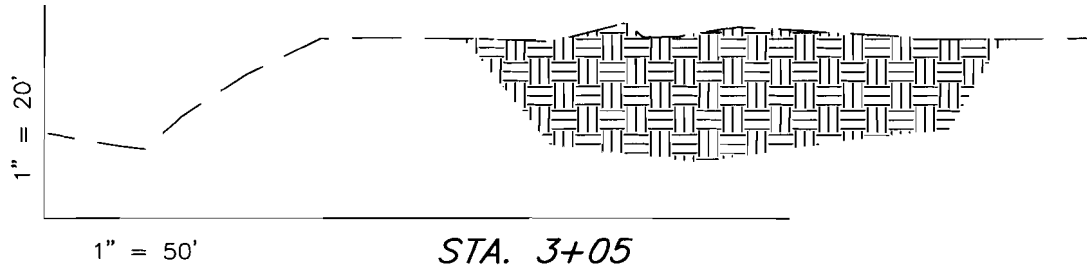
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# NEWFIELD PRODUCTION COMPANY

## CROSS SECTIONS

**SUNDANCE 8-5-9-18 (Proposed Well)**

**SUNDANCE 7-5-9-18 (Existing Well)**



NOTE:  
UNLESS OTHERWISE NOTED  
CUT SLOPES ARE AT 1:1  
FILL SLOPES ARE AT 1.5:1

### ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	890	500	Topsoil is not included in Pad Cut	390
PIT	640	0		640
TOTALS	1,530	500	960	1,030

SURVEYED BY: C.M.

SCALE: 1" = 50'

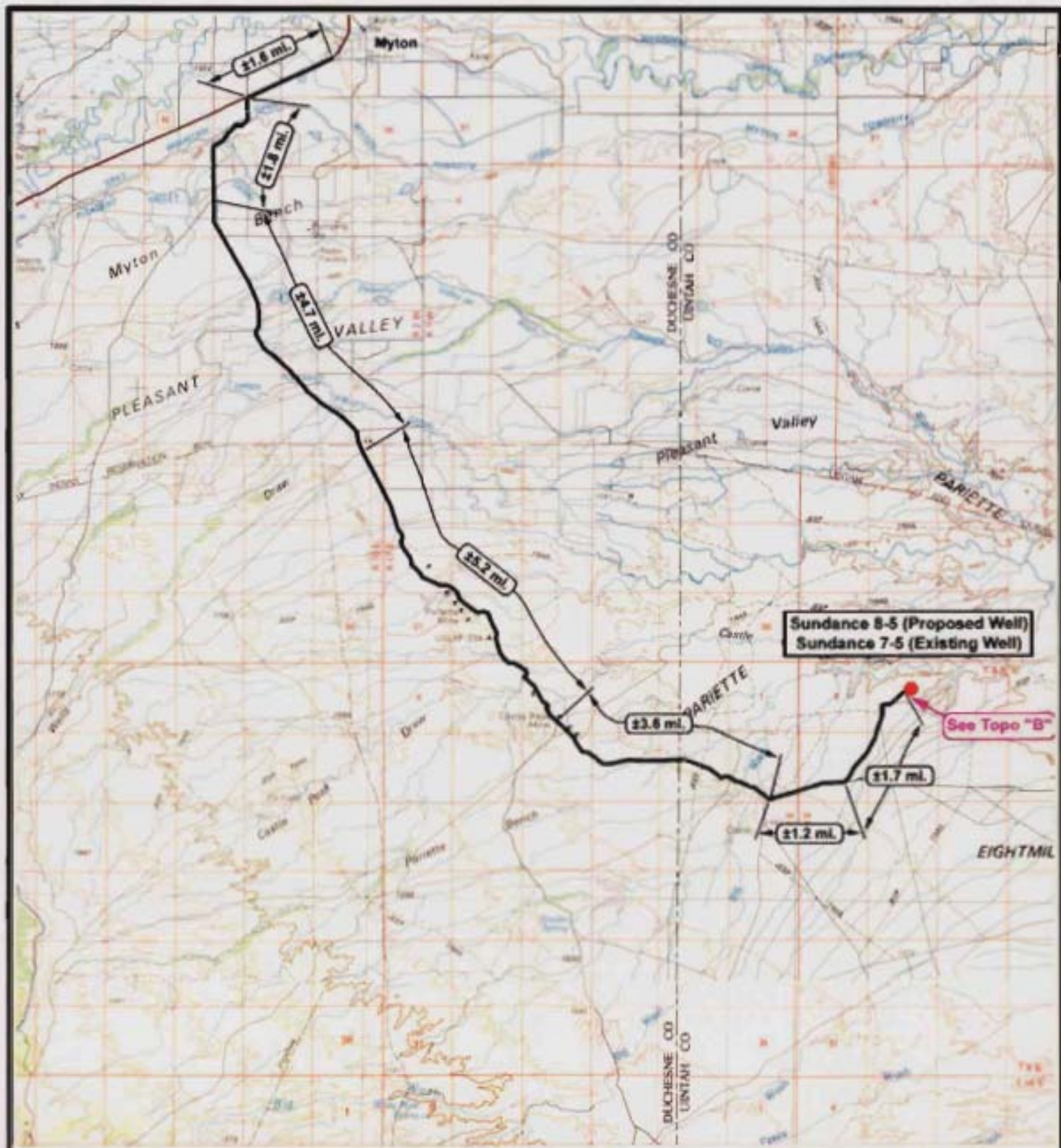
DRAWN BY: T.C.J.

DATE: 10-04-06

**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
(435) 781-2501

*SUNDANCE 7-5-9-18 (Existing Well)*





**NEWFIELD**  
Exploration Company

**Sundance 8-5-9-18 (Proposed Well)**

**Sundance 7-5-9-18 (Existing Well)**

Pad Location: SWNE SEC. 6, T9S, R18E, S.L.B.&M.



**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2000'

DRAWN BY: mhw

DATE: 10-10-2006

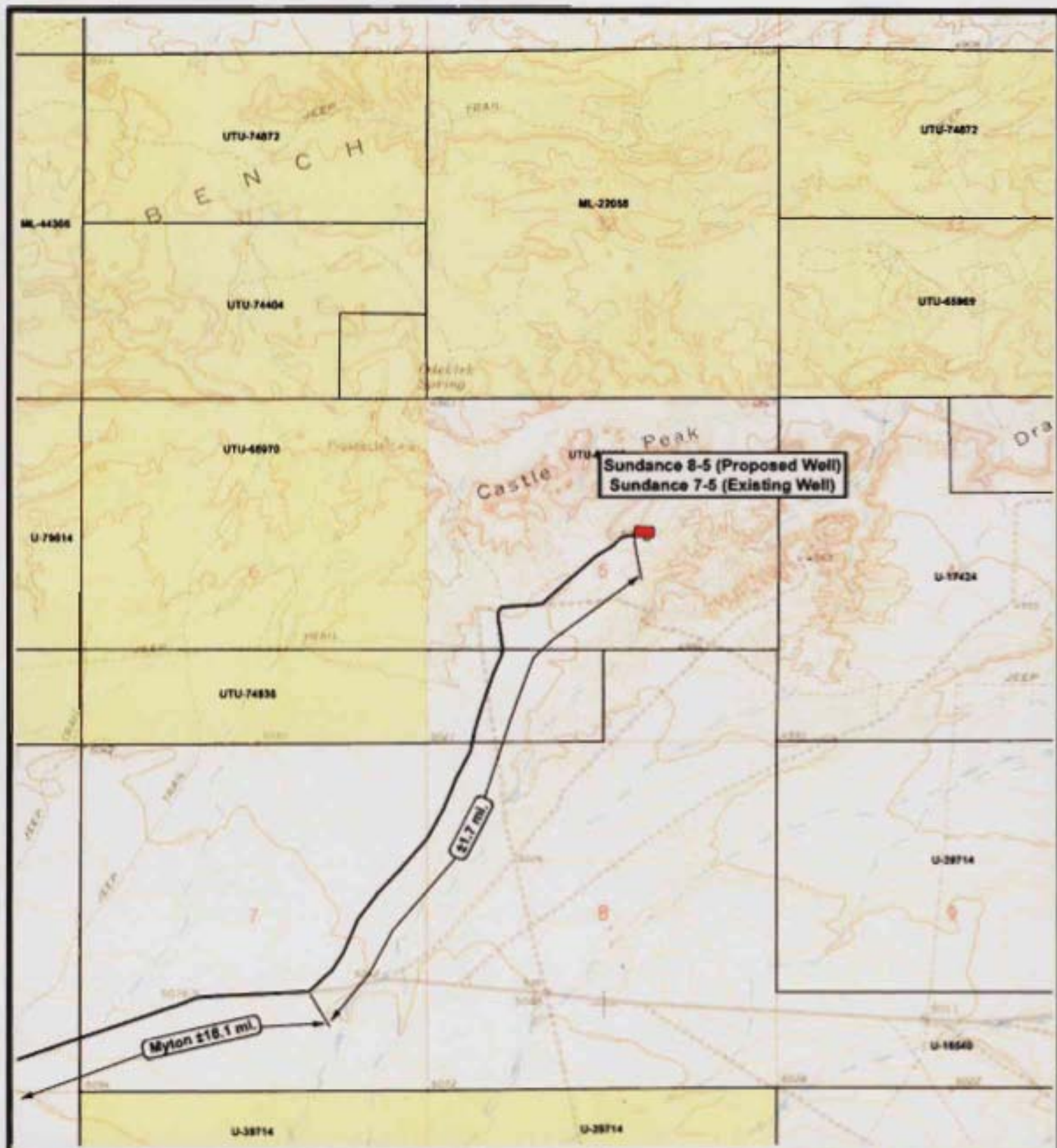
**Legend**

Existing Road

TOPOGRAPHIC MAP

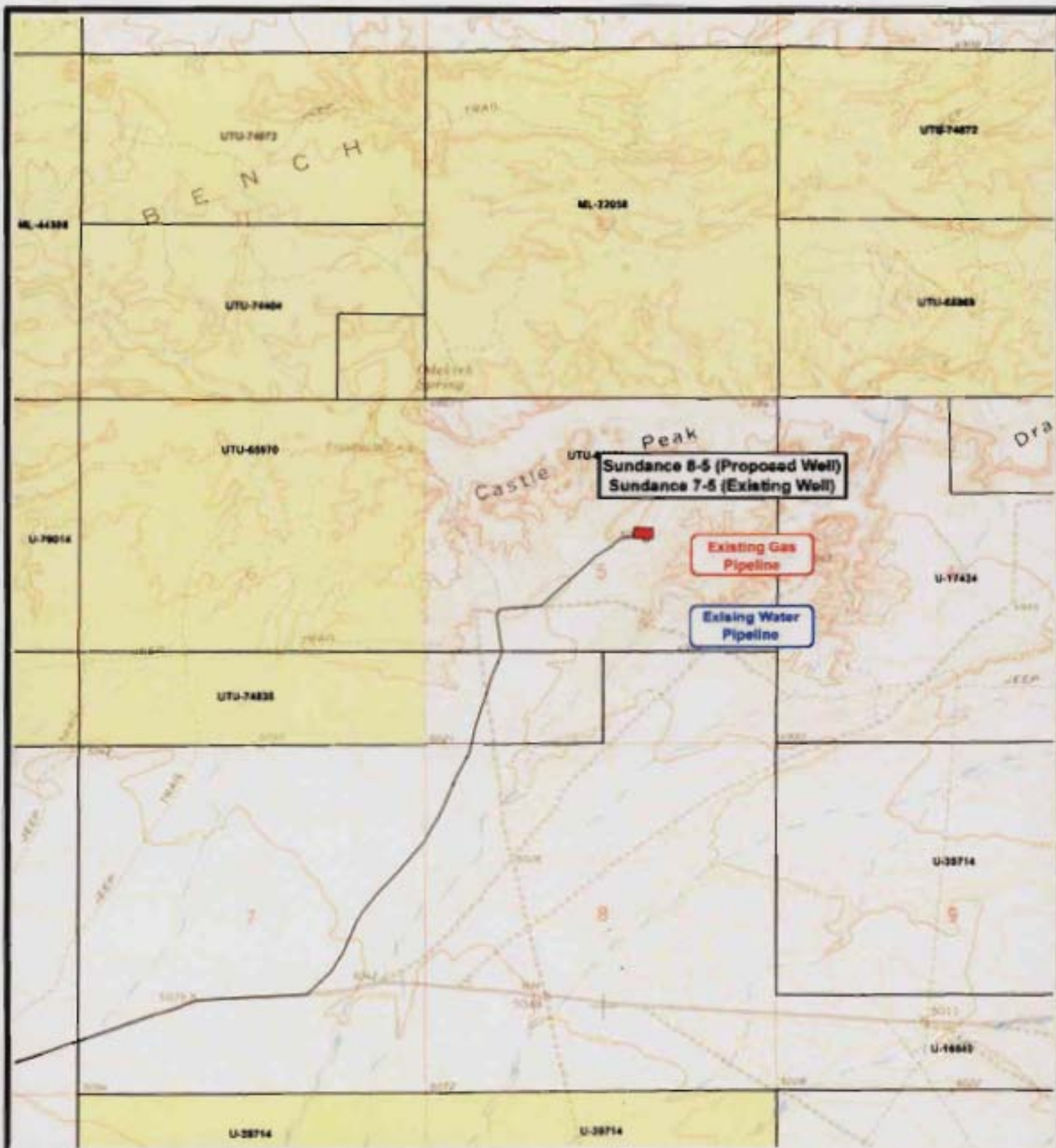
**"A"**





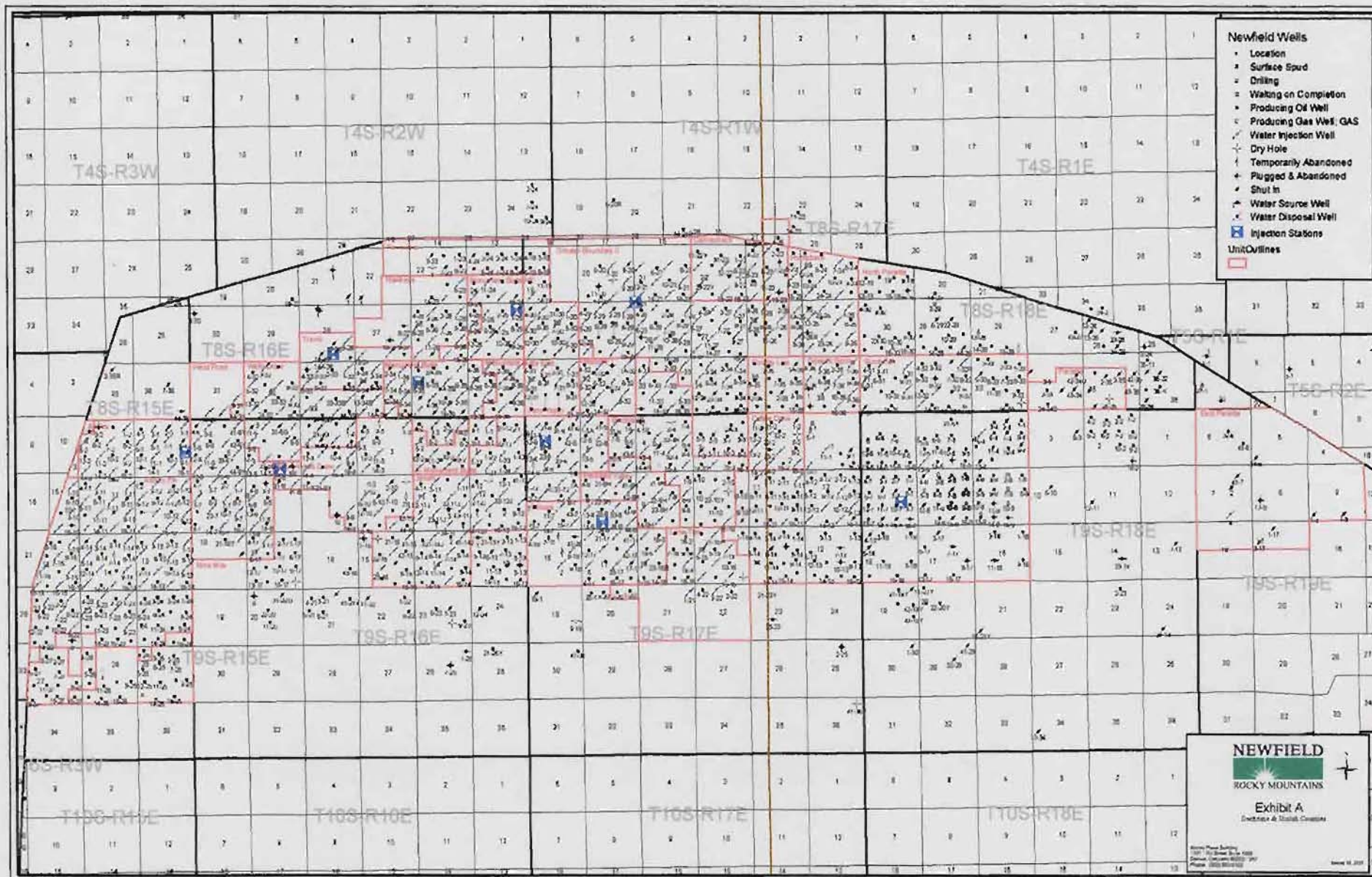
 <p><b>NEWFIELD</b> Exploration Company</p>		 <p>Tri-State Land Surveying Inc. (435) 781-2501 180 North Vernal Ave. Vernal, Utah 84078</p>	<p><b>Legend</b></p>
<p><b>Sundance 8-5-9-18 (Proposed Well)</b> <b>Sundance 7-5-9-18 (Existing Well)</b> Pad Location: SWNE SEC. 5, T9S, R18E, S.L.B.&amp;M.</p>		<p>SCALE: 1" = 2000' DRAWN BY: RHW DATE: 10-10-2008</p>	<p>Existing Road</p> <p><b>TOPOGRAPHIC MAP</b></p> <p><b>"B"</b></p>



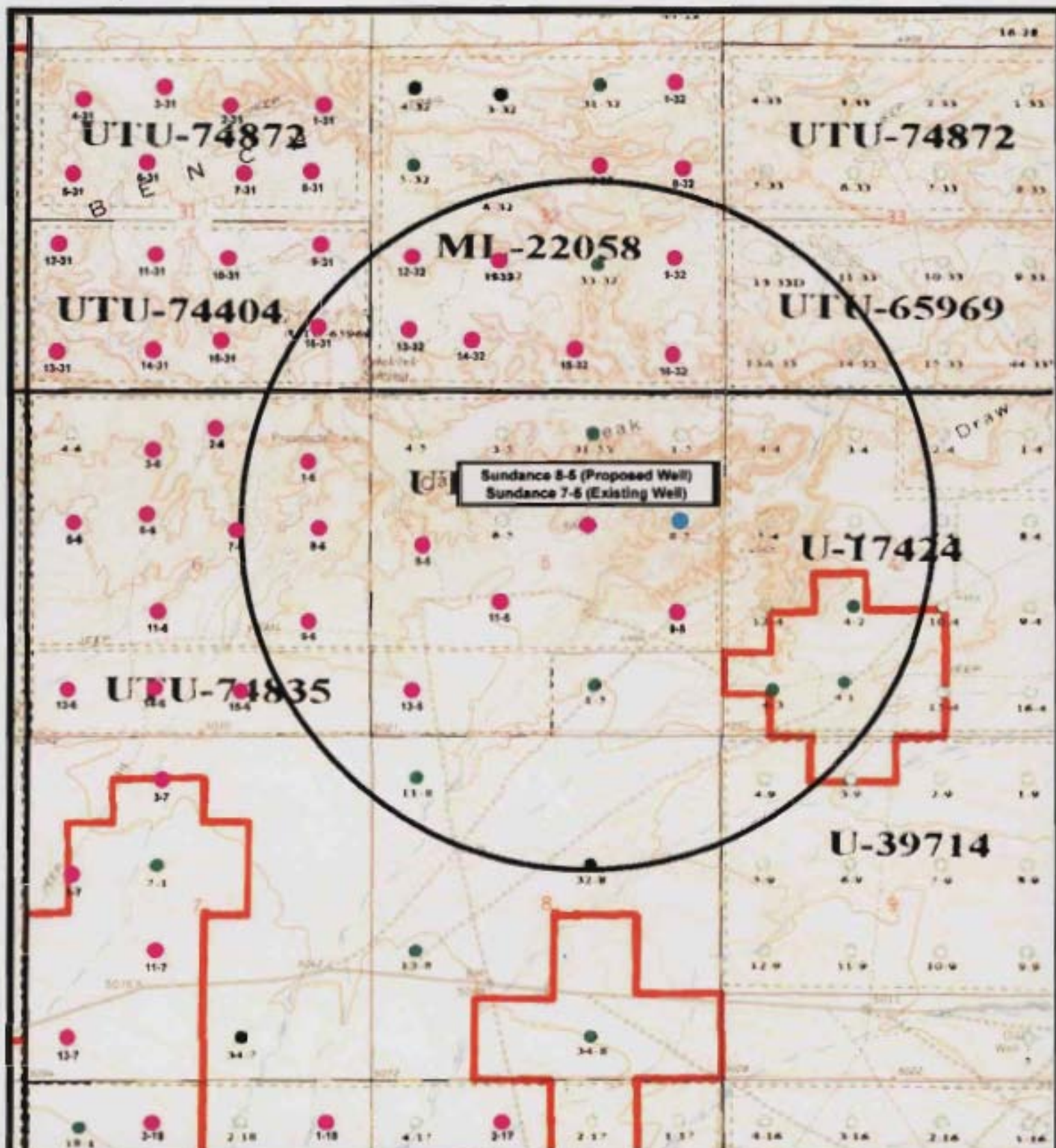


 <p><b>NEWFIELD</b> Exploration Company</p>		 <p><b>Tri-State</b> Land Surveying Inc. (435) 781-2501 100 North Vernal Ave. Vernal, Utah 84078</p>	<p><b>Legend</b></p> <p>— Roads</p>
<p><b>Sundance 8-5-9-18 (Proposed Well)</b> <b>Sundance 7-5-9-18 (Existing Well)</b> Pad Location: SWNE SEC. 5, T9S, R18E, S.L.B.&amp;M.</p>		<p>SCALE: 1" = 2000' DRAWN BY: mhw DATE: 10-21-2006</p>	<p><b>TOPOGRAPHIC MAP</b></p> <p><b>"C"</b></p>









**NEWFIELD**  
Exploration Company

**Sundance 8-5-9-18 (Proposed Well)**  
**Sundance 7-5-9-18 (Existing Well)**  
Pad Location: SENW SEC. 5, T9S, R18E, S.L.B.&M.



**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
DRAWN BY: mhw  
DATE: 09-19-2006

**Legend**

- Pad Location
- Bottom Hole Location
- One-Mile Radius

**Exhibit "B"**

## 2-M SYSTEM

Blowout Prevention Equipment Systems

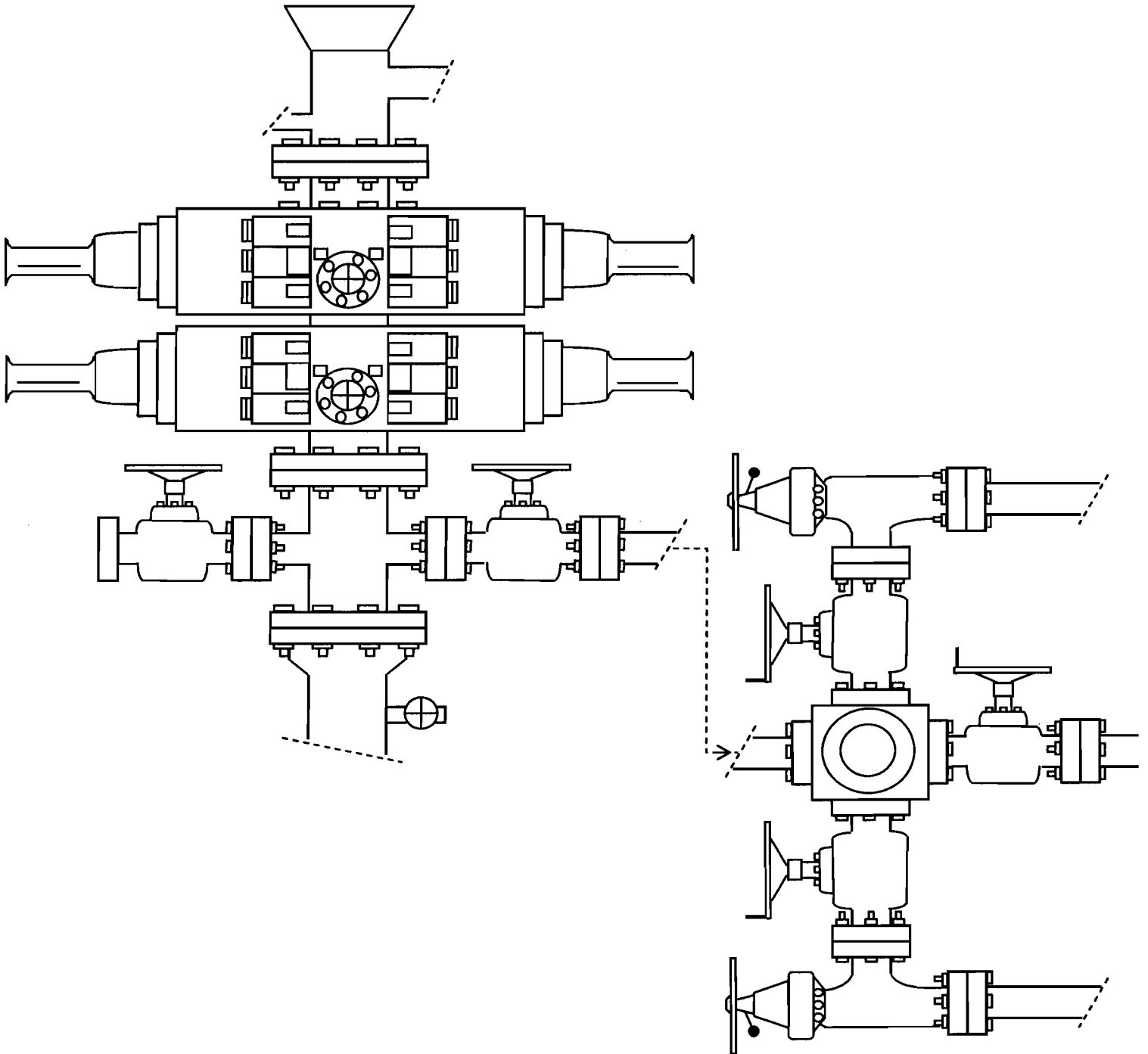


EXHIBIT C

# Newfield Production Company Proposed Site Facility Diagram

Sundance Federal 8-5-9-18

From the 7-5-9-18 Location

SW/NE Sec. 5 T9S, 18E

Uintah County, Utah

UTU-65970

Site Security Plan is held at the Pleasant Valley  
Office, Duchesne County Utah

## Production Phase:

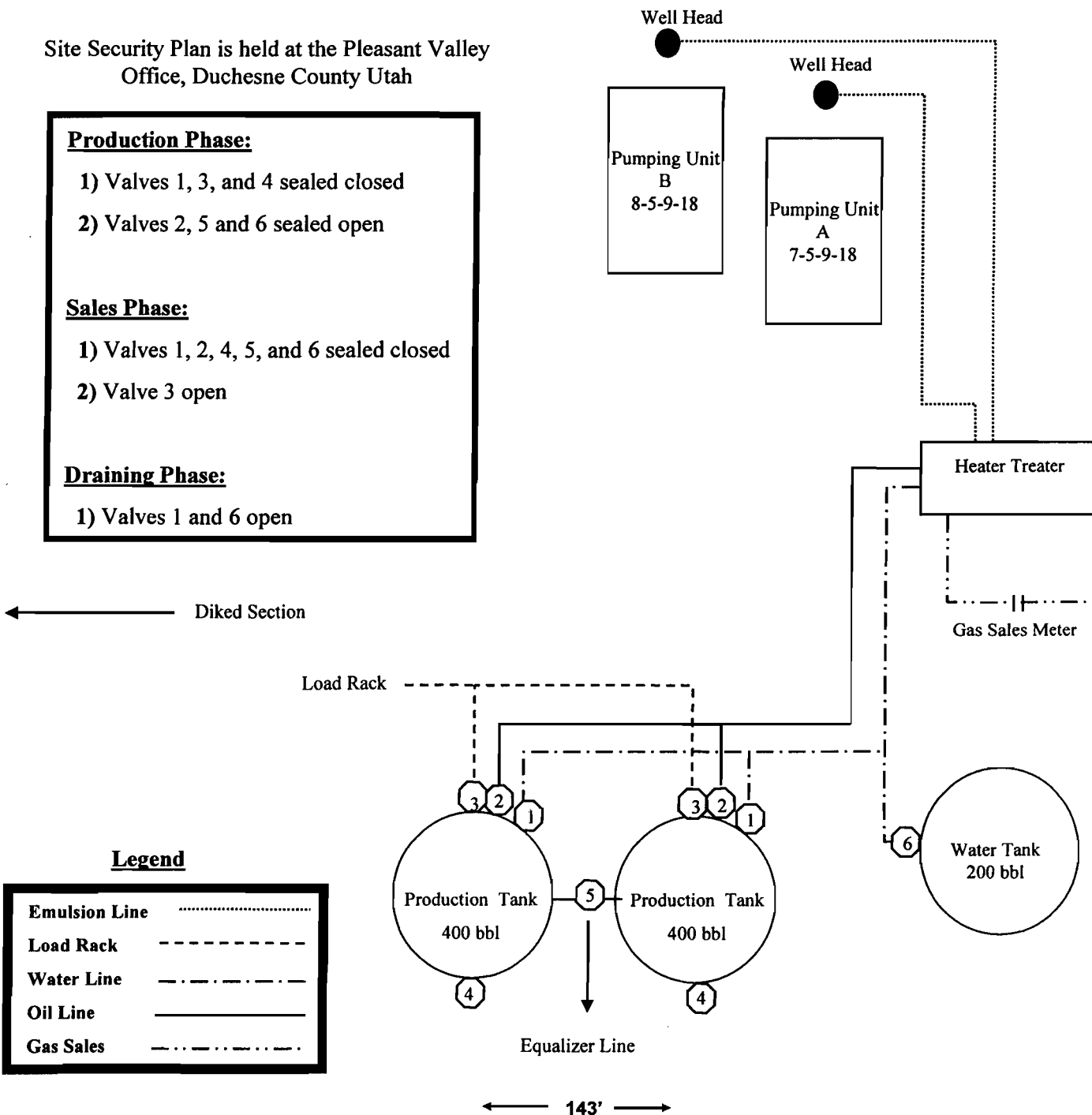
- 1) Valves 1, 3, and 4 sealed closed
- 2) Valves 2, 5 and 6 sealed open

## Sales Phase:

- 1) Valves 1, 2, 4, 5, and 6 sealed closed
- 2) Valve 3 open

## Draining Phase:

- 1) Valves 1 and 6 open





**Scientific Drilling**  
Rocky Mountain Operations

Project: Uintah County, UT  
Site: Sundance 8-5-9-18  
Well: Sundance 8-5-9-18  
Wellbore: OH  
Design: Plan #1

**Newfield Exploration Co.**

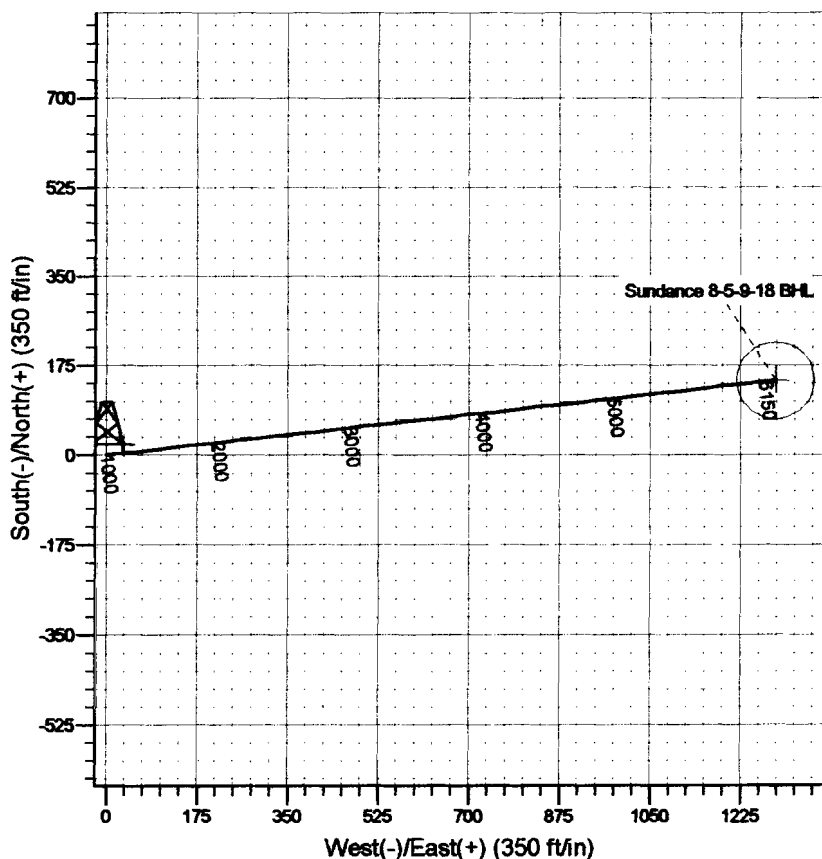
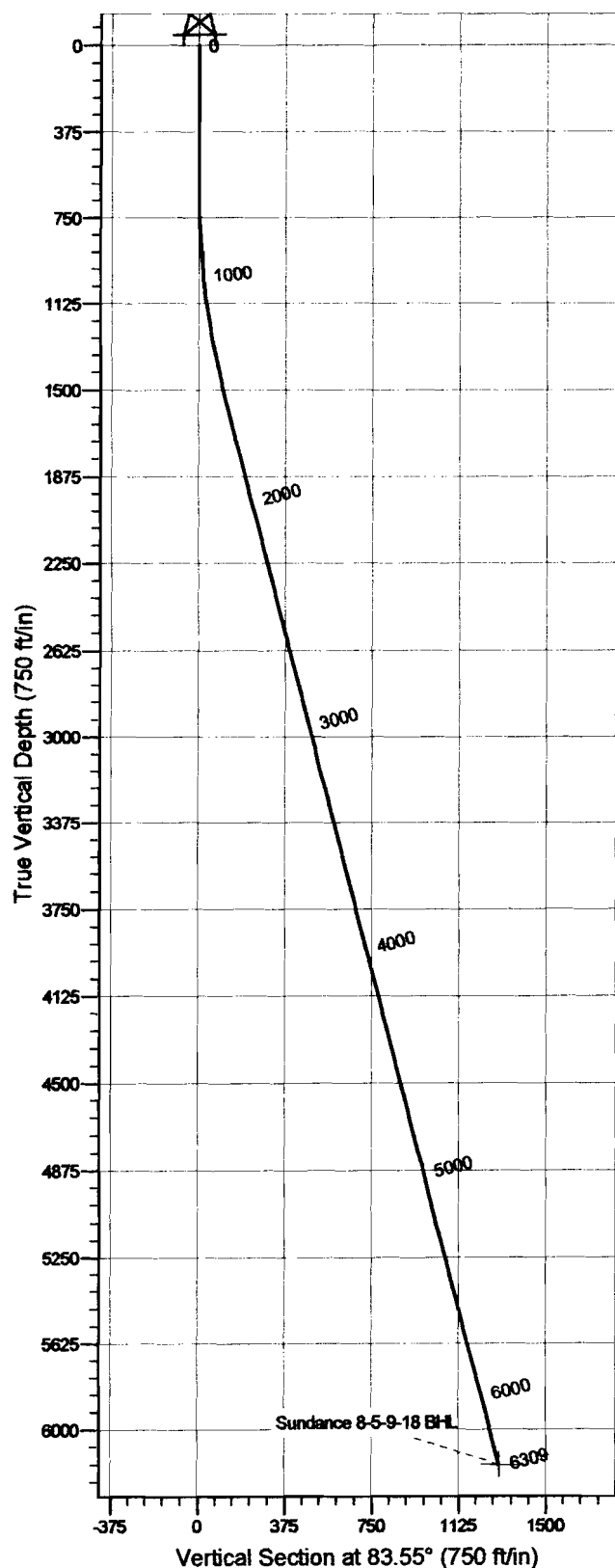


Azimuths to True North  
Magnetic North: 11.79°

Magnetic Field  
Strength: 52744.6nT  
Dip Angle: 65.95°  
Date: 2007-03-13  
Model: IGRF2005-10

WELL DETAILS: Sundance 8-5-9-18

GL 4980' & RKB 12' @ 4992.00ft 4980.00  
+N/-S +E/-W Northing Easting Latitude Longitude  
0.00 0.00 633307.76 2443628.46 40° 3' 40.700 N 109° 54' 53.800 W



Plan: Plan #1 (Sundance 8-5-9-18/OH)

Created By: Julie Cruse Date: 2007-03-13

PROJECT DETAILS: Uintah County, UT

Geodetic System: US State Plane 1927 (Exact solution)  
Datum: NAD 1927 (NADCON CONUS)  
Ellipsoid: Clarke 1866  
Zone: Utah Central 4302

System Datum: Mean Sea Level  
Local North: No north reference data is available

#### SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	
3	1559.32	14.39	83.55	1549.26	13.46	119.08	1.50	83.55	119.83	
4	6309.06	14.39	83.55	6150.00	146.00	1292.00	0.00	0.00	1300.22	Sundance 8-5-9-18 BHL

# **Newfield Exploration Co.**

**Uintah County, UT**

**Sundance 8-5-9-18**

**Sundance 8-5-9-18**

**OH**

**Plan: Plan #1**

## **Standard Planning Report**

**13 March, 2007**

# Scientific Drilling Planning Report

<b>Database:</b>	MultiUserEDM	<b>Local Co-ordinate Reference:</b>	Well Sundance 8-5-9-18
<b>Company:</b>	Newfield Exploration Co.	<b>TVD Reference:</b>	GL 4980' & RKB 12' @ 4992.00ft
<b>Project:</b>	Uintah County, UT	<b>MD Reference:</b>	GL 4980' & RKB 12' @ 4992.00ft
<b>Site:</b>	Sundance 8-5-9-18	<b>North Reference:</b>	True
<b>Well:</b>	Sundance 8-5-9-18	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #1		

<b>Project</b>	Uintah County, UT		
<b>Map System:</b>	US State Plane 1927 (Exact solution)	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	NAD 1927 (NADCON CONUS)		
<b>Map Zone:</b>	Utah Central 4302		

<b>Site</b>	Sundance 8-5-9-18, Sec 5 T9S R18E		
<b>Site Position:</b>		<b>Northing:</b>	633,307.77 ft
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,443,628.46 ft
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	in
		<b>Latitude:</b>	40° 3' 40.700 N
		<b>Longitude:</b>	109° 54' 53.800 W
		<b>Grid Convergence:</b>	1.02 °

<b>Well</b>	Sundance 8-5-9-18, 2131' FNL, 1953' FEL		
<b>Well Position</b>	+N-S	0.00 ft	<b>Northing:</b> 633,307.76 ft
	+E-W	0.00 ft	<b>Easting:</b> 2,443,628.46 ft
<b>Position Uncertainty</b>	0.00 ft	<b>Wellhead Elevation:</b>	ft
		<b>Latitude:</b>	40° 3' 40.700 N
		<b>Longitude:</b>	109° 54' 53.800 W
		<b>Ground Level:</b>	4,980.00 ft

<b>Wellbore</b>	OH				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2005-10	2007-03-13	11.79	65.95	52,745

<b>Design</b>	Plan #1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN		<b>Tie On Depth:</b> 0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N-S (ft)</b>	<b>+E-W (ft)</b>	<b>Direction (°)</b>
	6,150.00	0.00	0.00	83.55

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TPO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,559.32	14.39	83.55	1,549.26	13.46	119.08	1.50	1.50	0.00	83.55	
6,309.06	14.39	83.55	6,150.00	146.00	1,292.00	0.00	0.00	0.00	0.00	Sundance 8-5-9-18 BI

# Scientific Drilling

## Planning Report

**Database:** MultiUserEDM  
**Company:** Newfield Exploration Co.  
**Project:** Uintah County, UT  
**Site:** Sundance 8-5-9-18  
**Well:** Sundance 8-5-9-18  
**Wellbore:** OH  
**Design:** Plan #1

**Local Co-ordinate Reference:** Well Sundance 8-5-9-18  
**TVD Reference:** GL 4980' & RKB 12' @ 4992.00ft  
**MD Reference:** GL 4980' & RKB 12' @ 4992.00ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	1.50	83.55	699.99	0.15	1.30	1.31	1.50	1.50	0.00
800.00	3.00	83.55	799.91	0.59	5.20	5.23	1.50	1.50	0.00
900.00	4.50	83.55	899.69	1.32	11.70	11.77	1.50	1.50	0.00
1,000.00	6.00	83.55	999.27	2.35	20.79	20.92	1.50	1.50	0.00
1,100.00	7.50	83.55	1,098.57	3.67	32.47	32.68	1.50	1.50	0.00
1,200.00	9.00	83.55	1,197.54	5.28	46.73	47.03	1.50	1.50	0.00
1,300.00	10.50	83.55	1,296.09	7.18	63.56	63.96	1.50	1.50	0.00
1,400.00	12.00	83.55	1,394.16	9.37	82.94	83.47	1.50	1.50	0.00
1,500.00	13.50	83.55	1,491.70	11.85	104.87	105.54	1.50	1.50	0.00
1,559.32	14.39	83.55	1,549.26	13.46	119.08	119.83	1.50	1.50	0.00
1,600.00	14.39	83.55	1,588.67	14.59	129.12	129.94	0.00	0.00	0.00
1,700.00	14.39	83.55	1,685.53	17.38	153.82	154.80	0.00	0.00	0.00
1,800.00	14.39	83.55	1,782.40	20.17	178.51	179.65	0.00	0.00	0.00
1,900.00	14.39	83.55	1,879.26	22.96	203.21	204.50	0.00	0.00	0.00
2,000.00	14.39	83.55	1,976.12	25.75	227.90	229.35	0.00	0.00	0.00
2,100.00	14.39	83.55	2,072.98	28.54	252.59	254.20	0.00	0.00	0.00
2,200.00	14.39	83.55	2,169.85	31.33	277.29	279.05	0.00	0.00	0.00
2,300.00	14.39	83.55	2,266.71	34.13	301.98	303.91	0.00	0.00	0.00
2,400.00	14.39	83.55	2,363.57	36.92	326.68	328.76	0.00	0.00	0.00
2,500.00	14.39	83.55	2,460.44	39.71	351.37	353.61	0.00	0.00	0.00
2,600.00	14.39	83.55	2,557.30	42.50	376.07	378.46	0.00	0.00	0.00
2,700.00	14.39	83.55	2,654.16	45.29	400.76	403.31	0.00	0.00	0.00
2,800.00	14.39	83.55	2,751.02	48.08	425.46	428.16	0.00	0.00	0.00
2,900.00	14.39	83.55	2,847.89	50.87	450.15	453.02	0.00	0.00	0.00
3,000.00	14.39	83.55	2,944.75	53.66	474.84	477.87	0.00	0.00	0.00
3,100.00	14.39	83.55	3,041.61	56.45	499.54	502.72	0.00	0.00	0.00
3,200.00	14.39	83.55	3,138.47	59.24	524.23	527.57	0.00	0.00	0.00
3,300.00	14.39	83.55	3,235.34	62.03	548.93	552.42	0.00	0.00	0.00
3,400.00	14.39	83.55	3,332.20	64.82	573.62	577.27	0.00	0.00	0.00
3,500.00	14.39	83.55	3,429.06	67.61	598.32	602.13	0.00	0.00	0.00
3,600.00	14.39	83.55	3,525.93	70.40	623.01	626.98	0.00	0.00	0.00
3,700.00	14.39	83.55	3,622.79	73.19	647.71	651.83	0.00	0.00	0.00
3,800.00	14.39	83.55	3,719.65	75.98	672.40	676.68	0.00	0.00	0.00
3,900.00	14.39	83.55	3,816.51	78.77	697.09	701.53	0.00	0.00	0.00
4,000.00	14.39	83.55	3,913.38	81.56	721.79	726.38	0.00	0.00	0.00
4,100.00	14.39	83.55	4,010.24	84.35	746.48	751.23	0.00	0.00	0.00
4,200.00	14.39	83.55	4,107.10	87.15	771.18	776.09	0.00	0.00	0.00
4,300.00	14.39	83.55	4,203.97	89.94	795.87	800.94	0.00	0.00	0.00
4,400.00	14.39	83.55	4,300.83	92.73	820.57	825.79	0.00	0.00	0.00
4,500.00	14.39	83.55	4,397.69	95.52	845.26	850.64	0.00	0.00	0.00
4,600.00	14.39	83.55	4,494.55	98.31	869.96	875.49	0.00	0.00	0.00
4,700.00	14.39	83.55	4,591.42	101.10	894.65	900.34	0.00	0.00	0.00
4,800.00	14.39	83.55	4,688.28	103.89	919.34	925.20	0.00	0.00	0.00
4,900.00	14.39	83.55	4,785.14	106.68	944.04	950.05	0.00	0.00	0.00
5,000.00	14.39	83.55	4,882.00	109.47	968.73	974.90	0.00	0.00	0.00
5,100.00	14.39	83.55	4,978.87	112.26	993.43	999.75	0.00	0.00	0.00
5,200.00	14.39	83.55	5,075.73	115.05	1,018.12	1,024.60	0.00	0.00	0.00

# Scientific Drilling Planning Report

Database: MultiUserEDM  
Company: Newfield Exploration Co.  
Project: Uintah County, UT  
Site: Sundance 8-5-9-18  
Well: Sundance 8-5-9-18  
Wellbore: OH  
Design: Plan #1

Local Co-ordinate Reference: Well Sundance 8-5-9-18  
TVD Reference: GL 4980' & RKB 12' @ 4992.00ft  
MD Reference: GL 4980' & RKB 12' @ 4992.00ft  
North Reference: True  
Survey Calculation Method: Minimum Curvature

## Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,300.00	14.39	83.55	5,172.59	117.84	1,042.82	1,049.45	0.00	0.00	0.00
5,400.00	14.39	83.55	5,269.46	120.63	1,067.51	1,074.31	0.00	0.00	0.00
5,500.00	14.39	83.55	5,366.32	123.42	1,092.21	1,099.16	0.00	0.00	0.00
5,600.00	14.39	83.55	5,463.18	126.21	1,116.90	1,124.01	0.00	0.00	0.00
5,700.00	14.39	83.55	5,560.04	129.00	1,141.60	1,148.86	0.00	0.00	0.00
5,800.00	14.39	83.55	5,656.91	131.79	1,166.29	1,173.71	0.00	0.00	0.00
5,900.00	14.39	83.55	5,753.77	134.58	1,190.98	1,198.56	0.00	0.00	0.00
6,000.00	14.39	83.55	5,850.63	137.38	1,215.68	1,223.42	0.00	0.00	0.00
6,100.00	14.39	83.55	5,947.50	140.17	1,240.37	1,248.27	0.00	0.00	0.00
6,200.00	14.39	83.55	6,044.36	142.96	1,265.07	1,273.12	0.00	0.00	0.00
6,300.00	14.39	83.55	6,141.22	145.75	1,289.76	1,297.97	0.00	0.00	0.00
6,309.06	14.39	83.55	6,150.00	146.00	1,292.00	1,300.22	0.00	0.00	0.00
Sundance 8-5-9-18 BHL									

## Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N-S (ft)	+E-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Sundance 8-5-9-18 BHL - plan hits target - Circle (radius 75.00)	0.00	0.00	6,150.00	146.00	1,292.00	633,476.64	2,444,917.67	40° 3' 42.143 N	109° 54' 37.182 W



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, Utah 84145-0155

### IN REPLY REFER TO:

3160  
(UT-922)

April 4, 2007

### Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2007 Plan of Development Sundance Unit, Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are being permitted as directional wells. They were originally permitted as vertical wells. Most of the wells were permitted prior to the approval of the Sundance Unit. However Sundance Fed 8-5-9-18 and the Sundance Fed 16-31-8-18 were reviewed in our memo of November 7, 2005. The wells are planned for calendar year 2007 within the Sundance Unit, Uintah County, Utah.

API#	WELL NAME	LOCATION
(Proposed PZ Green River)		
43-047-37390	Sundance Fed 8-5-9-18	Sec 05 T09S R18E 2131 FNL 1953 FEL
	BHL	Sec 05 T09S R18E 1985 FNL 0661 FEL
43-047-34013	Sundance Fed 2-6-9-18	Sec 06 T09S R18E 2546 FNL 1890 FEL
	BHL	Sec 06 T09S R18E 0661 FNL 1977 FEL
43-047-34425	Sundance Fed 3-6-9-18	Sec 06 T09S R18E 1926 FNL 1874 FWL
	BHL	Sec 06 T09S R18E 0661 FNL 1939 FWL
43-047-34935	Sundance Fed 8-6-9-18	Sec 06 T09S R18E 1716 FSL 0940 FEL
	BHL	Sec 06 T09S R18E 1986 FNL 0659 FEL
43-047-34287	Sundance Fed 14-31-8-18	Sec 31 T08S R18E 2004 FSL 1986 FWL
	BHL	Sec 31 T08S R18E 0660 FSL 1932 FWL
43-047-37388	Sundance Fed 16-31-8-18	Sec 31 T08S R18E 0678 FSL 2216 FEL
	BHL	Sec 31 T08S R18E 0661 FSL 0659 FEL
43-047-36016	Sundance Fed 13A-33-8-18	Sec 33 T08S R18E 2044 FSL 0773 FWL
	BHL	Sec 33 T08S R18E 0663 FSL 0660 FWL



April 17, 2007

Ms. Diana Mason  
State of Utah, Div. of Oil, Gas and Mining  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

Re: Directional Drilling R649-3-11  
Sundance Unit UTU-82472X  
Various Wells & Locations (See Attached)  
Uintah County, Utah

Dear Ms. Mason:

Pursuant to the filing of Newfield Production Company's (hereinafter "NPC") Applications for Permits to Drill dated 3/29/07 (copies enclosed herewith) which concern the wells described on the attached Exhibit, NPC is hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-11 pertaining to Directional Drilling.

All of these drillsite locations are located within the boundaries of the Sundance Unit UTU-82472X. NPC is permitting these wells as directional wells in order to minimize surface disturbance. By locating the wells at the surface locations described and directionally drilling from these locations, NPC will be able to utilize the existing the existing roads and pipelines in the area.

Furthermore, NPC hereby certifies that NPC is the Sundance Unit Operator and all lands within 460 feet of each of the entire directional well bores are within the Sundance Unit.

Therefore, based on the above stated information NPC requests that the permits be granted pursuant to R649-3-11. Thank you for your consideration in this matter.

Sincerely,

**Newfield Production Company**

A handwritten signature in cursive script that reads "Marie Liley".

Marie Liley  
Land Associate

Enclosures

**RECEIVED**

**APR 20 2007**

**DIV. OF OIL, GAS & MINING**

**DIRECTIONAL DRILLING R649-3-11 WELL EXHIBIT**  
**SUNDANCE UNIT UTU-82472X**  
**UINTAH COUNTY, UTAH**

Sundance Federal 14-31-8-18

BLM Lease #s U-74404 (surface) and U-74404 (bottomhole)  
2004' FSL, 1986' FWL Section 31 (at surface)  
660' FSL, 1932' FWL Section 31 (bottomhole)  
T8S-R18E

Sundance Federal 16-31-8-18

BLM Lease #s U-74404 (surface) and U-65969 (bottomhole)  
678' FSL, 2216' FEL Section 31 (at surface)  
661' FSL, 659' FEL Section 31 (bottomhole)  
T8S-R18E

Sundance Federal 13A-33-8-18

BLM Lease #s U-65969 (surface) and U-65969 (bottomhole)  
2044' FSL, 773' FWL Section 33 (at surface)  
663' FSL, 660' FWL Section 33 (bottomhole)  
T8S-R18E

Sundance Federal 8-5-9-18 ✓

BLM Lease #s U-65970 (surface) and U-65970 (bottomhole)  
2131' FNL, 1953' FEL Section 5 (at surface)  
1985' FNL, 661' FEL Section 5 (bottomhole)  
T9S-R18E

Sundance Federal 2-6-9-18

BLM Lease #s U-65970 (surface) and U-65970 (bottomhole)  
2546' FNL, 1890' FEL Section 6 (at surface)  
661' FNL, 1977' FEL Section 6 (bottomhole)  
T9S-R18E

Sundance Federal 3-6-9-18

BLM Lease #s U-65970 (surface) and U-65970 (bottomhole)  
1926' FNL, 1874' FWL Section 6 (at surface)  
661' FNL, 1939' FWL Section 6 (bottomhole)  
T9S-R18E

Sundance Federal 8-6-9-18

BLM Lease #s U-65970 (surface) and U-65970 (bottomhole)  
1716' FSL, 940' FEL Section 6 (at surface)  
1986' FNL, 659' FEL Section 6 (bottomhole)  
T9S-R18E

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

**NEWFIELD PRODUCTION COMPANY**

3. Address and Telephone No.

**Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**2131 FNL 1953 FEL SW/NE Section 5, T9S R18E**

5. Lease Designation and Serial No.

**UTU-65970**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**SUNDANCE**

8. Well Name and No.

**SUNDANCE FEDERAL 8-5-9-18**

9. API Well No.

**43-047-37390**

10. Field and Pool, or Exploratory Area

**EIGHT MILE FLAT NORTH**

11. County or Parish, State

**UINTAH COUNTY, UT.**

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Permit Extension

☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Newfield Production Company requests to extend the Permit to Drill this well for one year. The original approval date was 11/17/05 (expiration 11/17/07).

This APD has not been approved yet by the BLM.

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 11-05-07

By: [Signature]

COPY SENT TO OPERATOR

Date: 11-5-07  
Initials: pm

14. I hereby certify that the foregoing is true and correct

Signed

Mandie Crozier

Title

Regulatory Specialist

Date

10/30/2007

Mandie Crozier

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: Utah DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

**API:** 43-047-37390  
**Well Name:** Sundance Federal 8-5-9-18  
**Location:** SW/NE Section 5, T9S R18E  
**Company Permit Issued to:** Newfield Production Company  
**Date Original Permit Issued:** 11/17/2005

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☒ No ☐

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

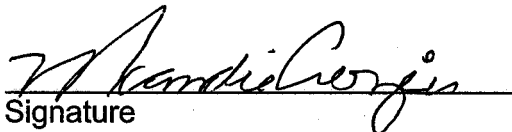
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐

  
Signature

10/30/2007

Date

Title: Regulatory Specialist

Representing: Newfield Production Company



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Vernal Field Office  
170 South 500 East  
Vernal, UT 84078  
(435) 781-4400 Fax: (435) 781-4410



IN REPLY REFER TO:

3160

UT08300

November 15, 2007

Mandie Crozier  
Newfield Production Company  
Route 3, Box 3630  
Myton, UT 84052

43-647-37390

Re: Well No. Sundance Federal 8-5-9-18  
SENE Sec. 5, T9S, R18E  
Uintah County, Utah  
Lease No. UTU-65970  
Sundance (GR) Unit

Dear Ms. Crozier:

The Application for Permit to Drill (APD) the above referenced well submitted November 16, 2005 was returned unapproved to you on February 21, 2007, per an email request by Kim Kettle on February 16, 2007. In a letter dated March 29, 2007 to Chuck Macdonald, you requested the original APD be rescinded/returned. This APD was replaced with a new APD that was received on March 30, 2007 as Well No. Sundance Federal 8-5-9-18.

If you have any questions concerning APD processing, please contact me at (435) 781-4455.

Sincerely,

*Cindy Severson*

Cindy Severson  
Land Law Examiner

cc: UDOGM – Diana Mason

RECEIVED

NOV 20 2007

DIV. OF OIL, GAS & MINING



# RECEIVED

Form 3160-3  
(September 2001)

MAR 30 2007

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

BLM VERNAL, UT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		6. If Indian, Allottee or Tribe Name N/A	
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		7. If Unit or CA Agreement, Name and No. Sundance	
2. Name of Operator Newfield Production Company		8. Lease Name and Well No. Sundance Federal 8-5-9-18	
3a. Address Route #3 Box 3630, Myton UT 84052	3b. Phone No. (include area code) (435) 646-3721	9. API Well No. 43 047 37390	
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SW/NE 2131' FNL 1953' FEL At proposed prod. zone SE/NE 1985' FNL 661' FEL		10. Field and Pool, or Exploratory Eight Mile Flat	
11. Sec., T., R., M., or Blk. and Survey or Area SE/NE Sec. 5, T9S R18E		12. County or Parish Utah	
13. State UT		14. Distance in miles and direction from nearest town or post office* Approximatley 19.8 miles southeast of Myton, Utah	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 661' f/lse, 5941' f/unit	16. No. of Acres in lease 1,036.24	17. Spacing Unit dedicated to this well 40 Acres	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1472'	19. Proposed Depth 6150'	20. BLM/BIA Bond No. on file UTB000192	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 4980' GL	22. Approximate date work will start* 3rd Quarter 2007	23. Estimated duration Approximately seven (7) days from spud to rig release.	

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification.
- Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 3/29/07
Title Regulatory Specialist		

Approved by (Signature) 	Name (Printed/Typed) Terry Kenizka	Date 4-8-2008
Title Assistant Field Manager Lands & Mineral Resources		
Office VERNAL FIELD OFFICE		

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

RECEIVED

APR 14 2008

DIV. OF OIL, GAS & MINING

J9PP 2137A  
No NOS



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

**Company:** Newfield Production Company  
**Well No:** Sundance Federal 8-5-9-18  
**API No:** 43-047-37390

**Location:** SWNE, Sec 5, T9S, R18E  
**Lease No:** UTU-65970  
**Agreement:** Sundance Unit

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
NRS/Enviro Scientist:	Paul Buhler	(435) 781-4475	(435) 828-4029
NRS/Enviro Scientist:	Karl Wright	(435) 781-4484	(435) 828-7381
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	
NRS/Enviro Scientist:		(435) 781-4476	
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Jannice Cutler	(435) 781-3400	(435) 828-3544
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	(435) 828-3546
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545

**Fax: (435) 781-3420**

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

Location Construction (Notify NRS/Enviro Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify NRS/Enviro Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supervisory Petroleum Technician)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings
BOP & Related Equipment Tests (Notify Supervisory Petroleum Technician)	-	Twenty-Four (24) hours prior to initiating pressure tests
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days

***SURFACE USE PROGRAM***  
**CONDITIONS OF APPROVAL (COAs)**

**General Surface COAs**

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

**Specific Surface COAs**

Stipulations:

- The proposed area contains Mountain plover habitat. With this occurrence there will be a timing restriction during project activity (construction and drilling) to minimize disturbance to Mountain plover nesting from May 15 – June 15.
- There are two Golden eagle nests within ½ mile of the proposed location: 0.43 miles NW, 0.46 miles NE, but no nests are in line-of-site. With this occurrence there will be a timing restriction to minimize disturbance for Golden eagle nesting from February 1–July 15.
- No surface occupancy or use is allowed (does not apply to casual use) within ½ mile of Golden eagle nests which have been active within the past two years. This restriction would not apply to maintenance and operation of existing programs and facilities. It would not apply if impacts could be mitigated through other management actions or site specific analysis of terrain features.
- Protection of Golden eagle nest sites as described in the Diamond Mountain Resource Management Plan and EIS. Waivers, Exceptions, or Modifications to this limitation may be specifically approved in writing by the authorized officer of the Bureau of Land Management if either the resource values change or the lessee/ operator demonstrates that adverse impacts can be mitigated. Any changes to this stipulation will be made in accordance with the land use plan and/or the regulatory provisions for such changes. (For guidance on the use of this stipulations see BLM manual 1624 and 3101 or FS manual 1950 and 2820.)

Notices from RMP:

- The lessee/operator is given notice the area has been identified as containing Ferruginous hawk habitat. Modifications may be required in the Surface Use Plan to protect the Ferruginous hawk and/or its habitat from surface disturbance activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- The lessee/operator is given notice the area has been identified as containing Golden eagle habitat. Modifications may be required in the Surface Use Plan to protect the Golden eagle and/or its habitat from surface disturbance activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

Comments:

- If it is anticipated that construction or drilling will occur during the given timing restrictions for any wildlife, a BLM or qualified biologist shall be notified so surveys can be conducted. Depending upon the results of the surveys, permission to proceed may or may not be recommended or granted (depending on the species being surveyed and the condition of the habitat).

Follow-up Actions and/or Recommendations:

- \*Because all both Golden eagle nests are located more than ¼ mile from the proposed location and are not in line-of-site, the NSO for the Golden eagle will not apply to this location; however, the timing stipulation will still be in effect.
- Based on the previous field exam and existing data and if all timing restrictions are adhered to then, it is my opinion that a no effect situation exists for Special Status Wildlife Species with the construction and drilling of this proposed drill site. Therefore, this site is cleared from a Special Status Wildlife Species perspective.

Conditions of Approval:

- All traffic related to this action will be restricted to approved routes. Cross-country vehicle travel will not be allowed.
- All pipelines (surface and buried) will be laid within one 50' wide construction ROW, on one side of the road, and will reduce down to a 30' wide permanent ROW on lease.
- A temporary road ROW will not be granted. The road ROW will be 30 foot for construction and will reduce to an 18 foot running surface.
- The access road will be crowned and ditched. Flat-bladed roads are not allowed. All roads will have an 18', crowned (2 to 3% minimum), running surface. All roads will have drainage ditches along both sides of road.
- No vehicle travel, construction or routine maintenance activities shall be performed during periods when the soil is too wet to adequately support vehicles and/or construction equipment. If such equipment creates ruts in excess of three inches deep, the soil shall be deemed too wet to adequately support construction equipment.
- If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches or etc. will be needed to control the erosion.
- Low-water crossings will be appropriately constructed to avoid sedimentation of drainage ways and other water resources.
- Pipelines will be buried at all major drainage crossings.
- Prevent fill and stock piles from entering drainages.
- To insure impermeability, the reserve pit will be lined with a 16 ml or greater liner and felt prior to spudding.
- The liner is to be cut 5 feet below ground surface or at the level of the cuttings, whichever is

deeper, and the excess liner material is to be disposed of at an authorized disposal site.

- When the reserve pit contains fluids or toxic substances, the operator must ensure animals do not ingest or become entrapped in pit fluids.
- Any hydrocarbons in the reserve pit will be removed immediately upon well completion; in accordance with 43 CFR 3162.7-1. Pits must be free of oil and other liquid and solid wastes prior to filling.
- Monument Butte SOP, Section 9.2 - Pit Fencing Minimum Standards - will be strictly adhered to. To include 9.2.2.3 - Corner posts will be cemented and/or braced in such a manner as to keep fence tight at all times.
- If Uinta Basin hookless cactus or other special status plants are found, construction will cease and the AO will be notified to determine the appropriate mitigation.
- Within 90 calendar days of the approval date for this Application for Permit to Drill (APD), the operator/lessee shall submit to the Authorized Officer (AO), on Sundry Notice Form 3160-5, an Interim Surface Reclamation Plan for surface disturbance on well pads, access roads, and pipelines. At a minimum, this will include the reshaping of the pad to the original contour to the extent possible; the respreading of the top soil up to the rig anchor points; and, the area reseeded using appropriate reclamation methods. The AO will provide written approval or concurrence within 30 calendar days of receipt.

#### Interim Reclamation:

- The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be seeded using a rangeland drill. Seeding depth as per AO, or seed distributor. If portions of the site are too steep (>40%), or rocky, that portion may be broadcast seeded. If broadcasting seed, the seed shall be walked into the soil with a dozer immediately after the seeding is completed, or covered by soil using a drag chain. Seeding shall occur in the fall (August 1st until snow or ground is frozen) with the following seed mix:

#### Seed mix:

Common name	Latin name	lbs/acre	Recommended seed planting depth
Squirreltail grass	<i>Elymus elymoides</i>	3.0	1/4 - 1/2"
Siberian wheatgrass	<i>Agropyron fragile</i>	1.0	1/2"
Shadscale saltbush	<i>Atriplex confertifolia</i>	0.50	1/2"
Four-wing saltbush	<i>Atriplex canescens</i>	0.50	1/2"
Gardner's saltbush	<i>Atriplex gardneri</i>	0.50	1/2"
Scarlet globemallow	<i>Sphaeralcea coccinea</i>	0.10	1/8 - 1/4"

- All pounds are pure live seed.
- All seed and mulch will be certified weed free.
- Rates are set for drill seeding; double rate if broadcasting.
- Reseeding may be required if initial seeding is not successful.

#### Final reclamation:

- Once the location is plugged and abandoned, the well location, access, and any disturbed areas shall be recontoured to natural topography, topsoil shall be respread, and the entire location shall be seeded following guidelines in the seed mix bullet statement above. Final seed mix: same as interim.
- Noxious and/or invasive weeds will be controlled along access roads, pipelines, well sites, and all other applicable facilities. Any noxious and/or invasive weeds outbreak, directly attributed to the activities of the Operator, will be the responsibility of the Operator to control. On BLM administered land, a Pesticide Use Proposal (PUP) must be submitted and approved prior to the application of herbicides, pesticides, or other possibly hazardous chemicals.
- The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be seeded in the same manner as the location topsoil.
- Once the location is plugged and abandoned, it shall be recontoured to natural topology, topsoil shall be respread, and the entire location shall be seeded with a seed mix recommended by the AO (see above). Seed application will follow all guidelines in the interim seed mix bullet statement above. If reclamation seeding should take place using the broadcast method, the seed at a minimum will be walked into the soil with a dozer immediately after the seeding is completed.
- The authorized officer may prohibit surface disturbing activities during severe winter conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- The authorized officer may prohibit surface disturbing activities during wet or muddy conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- All well facilities not regulated by OSHA will be painted Carlsbad Canyon.
- All boulders with a length or diameter greater than 3 feet, that are found showing at the surface, will be stockpiled for use during final reclamation.
- Notify the Authorized Officer 48 hours prior to surface disturbing activities



## **DOWNHOLE CONDITIONS OF APPROVAL**

### **SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL**

- None

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

### **DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) shall the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.

- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

## OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Shall the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be

filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

## DIVISION OF OIL, GAS AND MINING

### **SPUDDING INFORMATION**

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: SUNDANCE FED 8-5-9-18

Api No: 43-047-37390 Lease Type: FEDERAL

Section 05 Township 09S Range 18E County UINTAH

Drilling Contractor ROSS DRILLING RIG # 21

### **SPUDDED:**

Date 04/26/08

Time 8:00 AM

How DRY

**Drilling will Commence:** \_\_\_\_\_

Reported by RYAN CRUM

Telephone # (435) 823-0268

Date 04/28/08 Signed CHD

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

5. Lease Serial No.  
USA UTU-65970

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or  
SUNDANCE UNIT

8. Well Name and No.  
SUNDANCE FEDERAL 8-5-9-18

9. API Well No.  
4304737390

10. Field and Pool, or Exploratory Area  
MONUMENT BUTTE

11. County or Parish, State  
UINTAH, UT

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone (include area code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
2131 FNL 1953 FEL  
SENE Section 5 T9S R18E

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Spud Notice _____
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 4/26/08 MIRU Ross Rig # 21. Spud well @ 1:00 AM. Drill 320' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 324.01 KB On 4/29/08 cement with 160 sks of class "G" w/ 2% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 3 bbls cement to pit. WOC.

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Alvin Nielsen

Signature



Title

Drilling Foreman

Date

05/01/2008

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by \_\_\_\_\_

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

**RECEIVED**

**MAY 05 2008**

**DIV. OF OIL, GAS & MINING**



# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 324.01

LAST CASING 8 5/8" set @ 324.01  
 DATUM 12' KB  
 DATUM TO CUT OFF CASING \_\_\_\_\_  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 320' LOGGER \_\_\_\_\_  
 HOLE SIZE 12 1/4

OPERATOR Newfield Production Company  
 WELL Sundance Fed 8-5-9-18  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # Ross Rig # 21

**LOG OF CASING STRING:**

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Shoe Joint 43.37'					
		WHI - 92 csg head			8rd	A	0.95
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	312.16
		<b>GUIDE</b> shoe			8rd	A	0.9
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			314.01
TOTAL LENGTH OF STRING		314.01	7	LESS CUT OFF PIECE			2
LESS NON CSG. ITEMS		1.85		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		0		CASING SET DEPTH			<b>324.01</b>
TOTAL		312.16	7	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		312.16	7				
TIMING		1ST STAGE		GOOD CIRC THRU JOB <u>YES</u> Bbls CMT CIRC TO SURFACE <u>3</u> RECIPROCATED PIPE FOR <u>N/A</u> BUMPED PLUG TO <u>778</u> PSI			
BEGIN RUN CSG.		Spud 4/26/2008	8:00 AM				
CSG. IN HOLE		4/26/2008	3:00 PM				
BEGIN CIRC		4/29/2008	11:33 AM				
BEGIN PUMP CMT		4/29/2008	11:44 AM				
BEGIN DSPL. CMT		4/29/2008	11:53 AM				
PLUG DOWN		4/29/2008	12:02 PM				

CEMENT USED		CEMENT COMPANY- <b>B. J.</b>
STAGE	# SX	CEMENT TYPE & ADDITIVES
<b>1</b>	<b>160</b>	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield
CENTRALIZER & SCRATCHER PLACEMENT		SHOW MAKE & SPACING
Centralizers - Middle first, top second & third for 3		

COMPANY REPRESENTATIVE Alvin Nielsen DATE 5/1/2008

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM - FORM 6

OPERATOR: NEWFIELD PRODUCTION COMPANY  
ADDRESS: RT. 3 BOX 3830  
MYTON, UT 84082

OPERATOR ACCT. NO. N2696

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION				COUNTY	SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RS			
B	99999	12418	4301333710	WEST POINT FED 1-7-9-16	NWNE	7	9S	16E	DUCHESNE	4/23/2008	5/8/08
WELL 1 COMMENTS: GRUV BHL = NWNE											
B	99999	12418	4301333711	WEST POINT N-7-9-16	NWSW	7	9S	16E	DUCHESNE	4/22/2008	5/8/08
GRUV											
A	99999	16840	4304736243	FEDERAL 5-30-8-18	SWNW	30	8S	18E	UINTAH	4/25/2008	5/8/08
GRUV											
B	99999	14844	4304737390	SUNDANCE FED 8-5-9-18	SWNE SENE	6	9S	18E	UINTAH	4/26/2008	5/8/08
GRUV BHL = NENE											
A	99999	16841	4301333235	FEDERAL 16-20-9-17	SESE	20	9S	17E	DUCHESNE	4/28/2008	5/8/08
WELL 5 COMMENTS: GRUV											
B	99999	12276	4301333753	WELLS DRAW C-5-9-16	SESW	8	9S	16E	DUCHESNE	4/29/2008	5/8/08
WELL 5 COMMENTS: GRUV BHL = Sec 5 T 9S NENW 32 8S											

ACTION CODES (See instructions on back of form)

- A - new entity for new well (single well only)
- B - well to existing entity (group or unit well)
- C - from one existing entity to another existing entity
- D - well from one existing entity to a new entity
- E - other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

Signature: *[Signature]* Jentri Park  
Production Clerk  
Date: 05/01/08

RECEIVED

MAY 01 2008

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address

Route 3 Box 3630  
Myton, UT 84052

3b. Phone (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2131 FNL 1953 FEL

SENE Section 5 T9S R18E

5. Lease Serial No.

USA UTU-65970

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

SUNDANCE UNIT

8. Well Name and No.

SUNDANCE FEDERAL 8-5-9-18

9. API Well No.

4304737390

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

UINTAH, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Weekly Status Report _____
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 5/6/08 MIRU NDSI Rig # 2. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 287'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 6,277' & a TVD of 6,120. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 145 jt's of 5.5 J-55, 15.5# csgn. Set @ 6150.66' / KB. Cement with 300 sks cement mixed @ 11.0 ppg & 3.49 yld. Then 450 sks cement mixed @ 14.4 ppg & 1.24 yld. With 25 bbls cement returned to pit. Nipple down Bop's. Drop slips @78,000 #'s tension. Release rig 6:00 AM 5/13/08.

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Alvin Nielsen

Signature

*Alvin Nielsen*

Title

Drilling Foreman

Date

05/14/2008

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

RECEIVED

MAY 16 2008

DIV. OF OIL, GAS & MINING

<p>LAST CASING <u>8 5/8"</u> SET AT <u>324'</u></p> <p>DATUM <u>12</u></p> <p>DATUM TO CUT OFF CASING <u>12</u></p> <p>DATUM TO BRADENHEAD FLANGE _____</p> <p>TD DRILLER <u>6277</u> LOGG# <u>6255'</u></p> <p>HOLE SIZE <u>7 7/8"</u></p>	<p style="text-align: center;"><u>5 1/2"</u> CASING SET AT <u>6150.66</u></p> <p>Flt cllr @ <u>6110.1</u></p> <p>OPERATOR <u>Newfield Production Company</u></p> <p>WELL <u>Sundance federal 8-5-9-18</u></p> <p>FIELD/PROSPECT <u>Monument Butte</u></p> <p>CONTRACTOR &amp; RIG # <u>NDSI Rig # 2</u></p> <p>Projection to bit TVD= <u>6120.7</u></p>
---	---

LOG OF CASING STRING:							
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					
		Short jt @ 4072' (6.87)					
145	5 1/2"	ETC LT & C casing	15.5#	J-55	8rd	A	6110.1
							0.6
1	5 1/2"	ETC LT&C csg	15.5#	J-55	8rd	A	42.57
		<b>GUIDE</b> shoe			8rd	A	0.65
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			6153.92
TOTAL LENGTH OF STRING		6153.92	146	LESS CUT OFF PIECE			15.26
LESS NON CSG. ITEMS		16.51		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		384.33	9	CASING SET DEPTH			<b>6150.66</b>
TOTAL		<b>6537.00</b>	155	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		6537	155				
TIMING		1ST STAGE	2nd STAGE				
BEGIN RUN CSG.		5/12/2008	4:00 PM	GOOD CIRC THRU JOB <u>Yes</u>			
CSG. IN HOLE		5/12/2008	10:30 PM	Bbls CMT CIRC TO SURFACE <u>25</u>			
BEGIN CIRC		5/12/2008	10:30 PM	RECIPROCATED PIPE FOR _____ THRU _____ FT STROKE			
BEGIN PUMP CMT		5/12/2008	11:25 PM	DID BACK PRES. VALVE HOLD ? <u>YES</u>			
BEGIN DSPL. CMT		5/13/2008	12:25 AM	BUMPED PLUG TO <u>2200</u> PSI			
PLUG DOWN		5/13/2008	12:50 AM				
CEMENT USED			CEMENT COMPANY- <b>B. J.</b>				
STAGE	# SX		CEMENT TYPE & ADDITIVES				
1	300	Premlite II w/ 10% gel + 3 % KCL, 3#s /sk CSE + 2# sk/kolseal + 1/2#s/sk Cello Flake					
		mixed @ 11.0 ppg W / 3.43 cf/sk yield					
2	450	50/50 poz W/ 2% Gel + 3% KCL, .5%EC1, 1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD					
CENTRALIZER & SCRATCHER PLACEMENT			SHOW MAKE & SPACING				
Centralizers - Middle first, top second & third. Then every third collar for a total of 20.							

COMPANY REPRESENTATIVE Alvin Nielsen DATE 5/13/2008

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

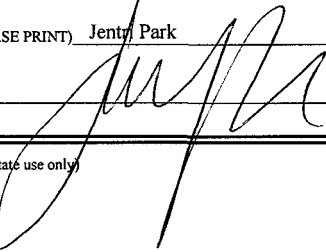
1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-65970
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: SUNDANCE UNIT
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 2131 FNL 1953 FEL		8. WELL NAME and NUMBER: SUNDANCE FEDERAL 8-5-9-18
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SENE, 5, T9S, R18E		9. API NUMBER: 4304737390
		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
		COUNTY: UINTAH
		STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion: 07/08/2008	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well was completed on 06-11-08, attached is a daily completion status report.

NAME (PLEASE PRINT) Jentry Park	TITLE Production Clerk
SIGNATURE 	DATE 07/08/2008

(This space for State use only)

**RECEIVED**

**JUL 14 2008**

**DIV. OF OIL, GAS & MINING**

**Daily Activity Report**

Format For Sundry

**FEDERAL 8-5-9-18****4/1/2008 To 8/30/2008****6/4/2008 Day: 1****Completion**

Rigless on 6/3/2008 - Install 5m frac head. NU 6" 5K Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head, csg & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 6049' & cement top @ 84'. Perforate stage #1, CP1 sds @ 5760-75' & CP2 sds @ 5799-5806' w/ 3-1/8" Slick Guns (19 gram, .49"EH, 120°) w/ 4 spf for total of 88 shots. 145 BWTR. SWIFN.

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**6/6/2008 Day: 2****Completion**

Rigless on 6/5/2008 - RU BJ Services "Ram Head" frac flange. RU BJ & frac CP1&2 sds, stage #1 down casing w/ 55,542#'s of 20/40 sand in 546 bbls of Lightning 17 frac fluid. Open well w/ 0 psi on casing. Perfs broke down @ 3167 psi. Pump 30 gals of Techna Hib chemical. Treated @ ave pressure of 1961 w/ ave rate @ 25 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. 691 bbls EWTR. ISIP was 1908. Leave pressure on well. RU Perforators LLC, WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" (6K) composite flow through frac plug & 6', 8' perf guns. Set plug @ 5610'. Perforate LODC sds @ 5500-06' & 5468-76' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°) W/ 4 SPF for total of 56 shots. RU BJ & frac stage #2 w/ 65,531#'s of 20/40 sand in 588 bbls of Lightning 17 frac fluid. Open well w/ 1475 psi on casing. Perfs broke down @ 4200 psi. Pump 30 gals of Techna Hib chemical. Treated @ ave pressure of 3025 w/ ave rate @ 25.9 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. 1279 bbls EWTR. Screened out frac w/ 8 ppg sand on perfs 261#'s in casing, 65,270#'s in perfs. Leave pressure on well. Pressure down to 3800 in 10 minutes. SIFN.

---

**6/7/2008 Day: 3****Completion**

Rigless on 6/6/2008 - RU WLT. RIH w/ frac plug & 6' perf gun. Set plug @ 5161'. Perforate C sds @ 5052-58' W/ 4 SPF for total of 24 shots. RU BJ & frac stage #3 w/ 16,831#'s of 20/40 sand in 289 bbls of Lightning 17 frac fluid. Open well w/ 1300 psi on casing. Perfs broke down @ 1845 psi. Pump 30 gals of Techna Hib chemical. Treated @ ave pressure of 2557 w/ ave rate @ 25 bpm w/ 6.5 ppg of sand. 1868 bbls EWTR. Flow well back. Well flowed for 1.5 hours & died w/ 140 bbls rec'd. SIFN.

---

**6/10/2008 Day: 4****Completion**

NC #2 on 6/9/2008 - MIRU NC #2. Open well & bleed off pressure. ND 5000# BOPs & frac head. NU 3000# wellhead & BOPs. RU rig floor. X-over for 2 7/8" tbg from 2 3/8" tbg. PU new 4 3/4" chomp bit. TIH w/ 163- jts 2 7/8" J-55 6.5# tbg (tallying & drifting) picking up from trailer. Tag fill @ 4995'. LD 3- jts tbg. RU 2 7/8" circulating head rubber & power swivel. RU pump & pump lines. SDFN.

---

**6/11/2008 Day: 5****Completion**

NC #2 on 6/10/2008 - Tag fill @ 4930'. Clean out to plug @ 5161'. Drill up plug in 28 minutes & circulate well clean. TIH & tag fill @ 5310'. Clean out to plug @ 5610'. Drill up plug in 30 minutes & circulate well clean. TIH & tag fill @ 5995'. Clean out to



PBTD @ 6107'. Circulate well clean. TOH w/ 3- jts tbg. RU sandline to swab. Made 18 swab runs. SFL @ surface & EFL @ 2500'. Ending w/ trace of oil, small show of gas & no show of sand. Recovered total of 165 bbls. RD sandline. SDFN.

---

6/12/2008 Day: 6

Completion

NC #2 on 6/11/2008 - TIH & tag PBTD @ 6107' (no new fill). TOH w/ tbg & LD BHA. TIH w/ production tbg as follows: 2 7/8" NC, 2- jts J-55 6.5# tbg, SN, 2- jts J-55 6.5# tbg, TAC, 187- jts J-55 6.5# tbg. Set TAC @ 5749' w/ 16000# tension. RD rig floor. ND BOPs. NU wellhead. Flush tbg w/ 60 BW. PU & prime new CDI 2 1/2" X 1 3/4" X 16' X 20' RHAC rod pump. TIH w/ "A" grade rod string (PU from trailer) as follows: 227- 7/8" guided rods (8 guided per rod), 8' & 4' X 7/8" pony rods, 1 1/2" X 26' polished rod. RU pumping unit. W/ tbg full stroke test pump w/ unit to 800 psi (good pump action). Wait for repairs to be made to Ajax engine. PWOP @ 6:30 PM w/ 101" SL & 5 SPM. Est 1838 BWTR. Final Report!

---

Pertinent Files: Go to File List

(See other in-  
structions on  
reverse side)

OMB NO. 1004-0137

Expires: February 28, 1995

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

## 1a. TYPE OF WORK

OIL  
WELL ☒GAS  
WELL ☐DRY ☐

Other \_\_\_\_\_

## 1b. TYPE OF WELL

NEW  
WELL ☒WORK  
OVER ☐DEEPEN ☐PLUG  
BACK ☐DIFF  
RESVR. ☐

Other \_\_\_\_\_

## 2. NAME OF OPERATOR

Newfield Exploration Company

## 3. ADDRESS AND TELEPHONE NO.

1401 17th St. Suite 1000 Denver, CO 80202

## 4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)\*

At Surface

2131' FNL &amp; 1953' FEL (SW/NE) Sec. 8, T9S, R18E

At total depth

1985' FNL &amp; 661' FEL (SE/NE) Sec. 8, T9S, R18E

At top prod. Interval reported below

At total depth

2015 fml 664 fel

14. API NO.

43-047-37390

DATE ISSUED

11/17/707

## 15. DATE SPUDDED

04/26/08

## 16. DATE T.D. REACHED

05/11/08

## 17. DATE COMPL. (Ready to prod.)

06/11/08

## 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*

4980'GL

## 12. COUNTY OR PARISH

Uintah

## 13. STATE

UT

## 20. TOTAL DEPTH, MD &amp; TVD

6277'

## 21. PLUG BACK T.D., MD &amp; TVD

6107'

## 22. IF MULTIPLE COMPL.,

HOW MANY\*

## 23. INTERVALS

DRILLED BY

-----&gt;

## ROTARY TOOLS

X

## CABLE TOOLS

## 24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\*

Green River 5052'-5806'

25. WAS DIRECTIONAL  
SURVEY MADE

Yes

## 26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log

## 27. WAS WELL CORED

No

## 23. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	324'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	6151'	7-7/8"	300 sx Premlite II and 450 sx 50/50 Poz	

## 29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	EOT @ 5876'	TA @ 5749'

## 31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(CP2 & 1) 5760'-75', 5799'-5806'	.49"	4/88	5760'-5806'	Frac w/ 55,542# 20/40 sand in 546 bbls fluid
(LODC) 5500'-06', 5468'-76'	.49"	4/56	5468'-5506'	Frac w/ 65,531# 20/40 sand in 588 bbls fluid
(C) 5052'-58'	.49"	4/24	5052'-5058'	Frac w/ 16,831# 20/40 sand in 289 bbls fluid

## 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

## 33.\* PRODUCTION

DATE FIRST PRODUCTION 06-12-08		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) 2-1/2" x 1-3/4" x 16' x 20' RHAC rod pump					WELL STATUS (Producing or shut-in) PRODUCING	
DATE OF TEST 06-14-08	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD ----->	OIL--BBL. 75	GAS--MCF. 48	WATER--BBL. 61		GAS-OIL RATIO 640
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE ----->	OIL-BBL.	GAS--MCF.	WATER--BBL.		OIL GRAVITY-API (CORR.)	

RECEIVED

## 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Used for Fuel

## TEST WITNESSED BY

AUG 04 2008

## 35. LIST OF ATTACHMENTS

## 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Jentri Park

TITLE

Production Tech

DATE

8/1/2008

DIV. OF OIL, GAS &amp; MINING

\*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);	38. GEOLOGIC MARKERS			
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	<div>NAME</div> <div>MEAS. DEPTH</div> <div>TRUE VERT. DEPTH</div>
			<div>Well Name</div> <div>Sundance Federal 8-5-9-18</div>	<div>Garden Gulch Mkr</div> <div>3891'</div> <div>Garden Gulch 1</div> <div>4067'</div> <div>Garden Gulch 2</div> <div>4186'</div> <div>Point 3 Mkr</div> <div>4458'</div> <div>X Mkr</div> <div>4689'</div> <div>Y-Mkr</div> <div>4722'</div> <div>Douglas Creek Mkr</div> <div>4858'</div> <div>BiCarbonate Mkr</div> <div>5107'</div> <div>B Limestone Mkr</div> <div>5255'</div> <div>Castle Peak</div> <div>5688'</div> <div>Basal Carbonate</div> <div>6110'</div> <div>Total Depth (LOGGERS)</div> <div>6255'</div>

# NEW FIELD



Well Name: Sundance Federal 8-5-9-18

LOCATION: S5, T9S, R18E

COUNTY/STATE: Duchesne

API: 43-047-37390

Spud Date: 4-26-08

TD: 6277'

CSG: 5-12-08

POP: 6-11-08

DATE	HRS	Oil (bbls)	Water (bbls)	Recovered Water (bbls)	Gas (mcf)	Casing Pressure (psi)	SPM	Comments
6/11/2008				1838				POP @ 6:30 P.M. w/ 101" SL @ 5 SPM. 1838 Total water to recover.
6/12/2008	14	0	92	1746	0	43	6	
6/13/2008	24	29	102	1644	46	55	6	
6/14/2008	24	75	61	1583	48	57	6	
6/15/2008	24	53	24	1559	70	55	6	
6/16/2008	24	33	13	1546	68	55	6	
6/17/2008	24	26	8	1538	81	56	6	
6/18/2008	24	24	8	1530	107	53	6	
6/19/2008	24	25	9	1521	68	56	6	
6/20/2008	24	17	4	1517	73	35	6	
6/21/2008	24	21	5	1512	74	54	6	
6/22/2008	4	3	9	1503	0	51	6	Down - brake was to tight
6/23/2008	24	30	10	1493	40	55	6	
6/24/2008	24	18	4	1489	81	58	6	
6/25/2008	24	18	3	1486	67	58	6	
6/26/2008	24	15	2	1484	95	54	6	
6/27/2008	24	15	4	1480	107	55	6	
6/28/2008	24	14	2	1478	94	55	4 1/4	
6/29/2008	24	16	4	1474	108	55	4 1/4	
6/30/2008	24	11	1	1473	105	54	4 3/4	
7/1/2008	24	13	3	1470	107	55	4 1/4	
7/2/2008	24	15	2	1468	108	55	4 1/4	
7/3/2008	24	10	11	1457	36	55	4 1/4	
7/4/2008	24	14	5	1452	24	57	4 1/4	
7/5/2008	24	11	0	1452	12	52	4 1/4	
7/6/2008	24	12	1	1451	18	53	4 1/4	
7/7/2008	24	12	2	1449	23	55	4 1/4	
7/8/2008	24	10	2	1447	25	56	4 1/4	
7/9/2008	24	11	1	1446	15	54	4 1/4	
7/10/2008	24	10	1	1445	28	54	4 1/4	
7/11/2008	24	10	2	1443	33	57	4 1/4	
7/12/2008				1443				
		571	395		1761			

48317



**Scientific  
Drilling**

## Directional Survey Certification

7327 West Barton Road  
Casper, WY 82604  
(307)-472-6621 Fax (307) 472-5439

RE: <u>Newfield Exploration Co.</u>	<b>Operator</b>
<u>Sundance Federal 8-5-9-18</u>	<b>Well Name &amp; No.</b>
<u>Uintah County, UT</u>	<b>County &amp; State</b>
<u>42DEF0805345</u>	<b>SDI Job No.</b>

I, Julie Cruse, having personal knowledge of all the facts, hereby certify that the attached directional survey run from a measured depth of 354 feet to a measured depth of 6277 feet is true and correct as determined from all available records.

Julie Cruse  
Signature

Rockies Region Engineer  
Title

Scientific Drilling International  
Company

State of : Wyoming }  
County of : Natrona } ss

On this 13<sup>th</sup> day of May, 2008, before me personally appeared Julie Cruse to me known as the person described in and who executed the foregoing instrument and acknowledged that (s)he executed the same as his/her free act and deed.

Seal

Dorci Neal  
Notary Public

Aug 12, 2009  
My Commission Expires





## Directional Survey Certification

Casper, WY 82604

(307)-472-6621 Fax (307) 472-5439

RE:	Newfield Exploration Co.	Operator
	Sundance Federal 8-5-9-18	Well Name & No.
	Uintah County, UT	County & State
	42DEF0805345	SDI Job No.

I, Julie Cruse, having personal knowledge of all the facts, hereby certify that the attached directional survey run from a measured depth of 354 feet to a measured depth of 6277 feet is true and correct as determined from all available records.

_____ Signature	_____ Rockies Region Engineer Title	_____ Scientific Drilling International Company
--------------------	---	---

State of : Wyoming }  
County of : Natrona }

On this \_\_\_\_\_ day of \_\_\_\_\_, 2008, before me personally appeared \_\_\_\_\_ to me known as the person described in and who executed the foregoing instrument and acknowledged that (s)he executed the same as his/her free act and deed.

Seal \_\_\_\_\_ My Commission Expires \_\_\_\_\_

Notary Public

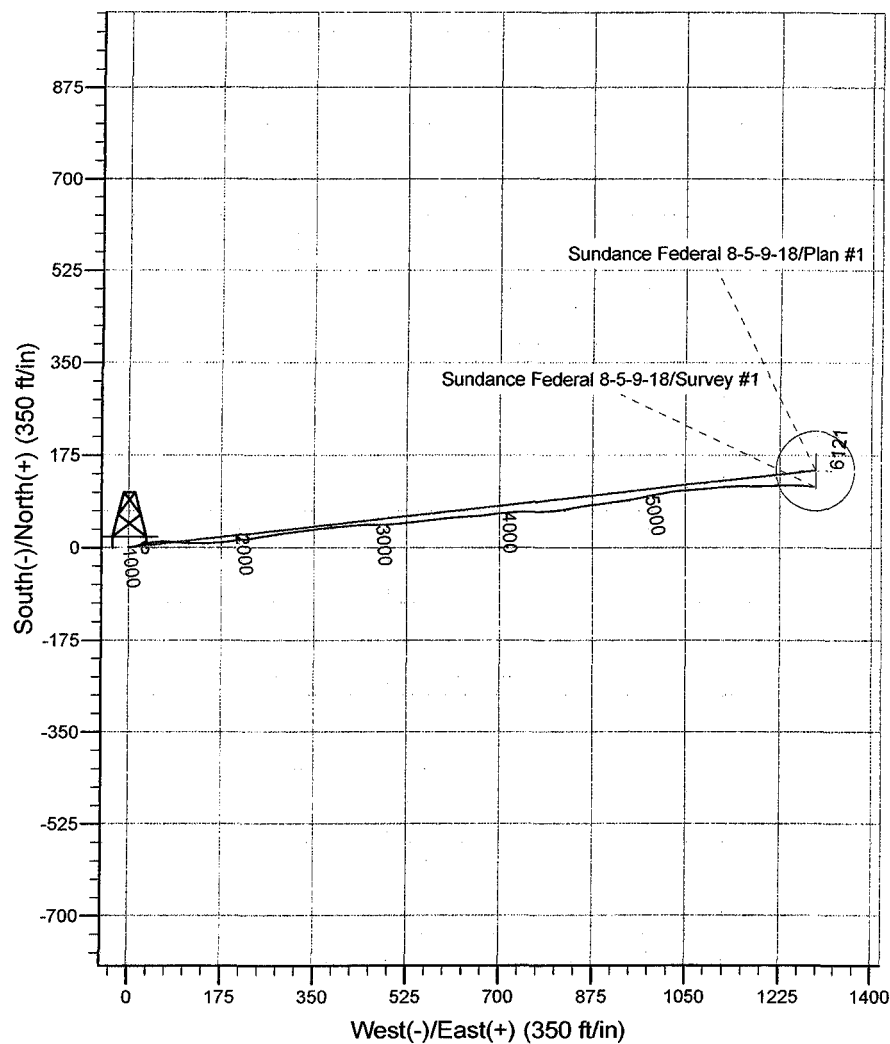
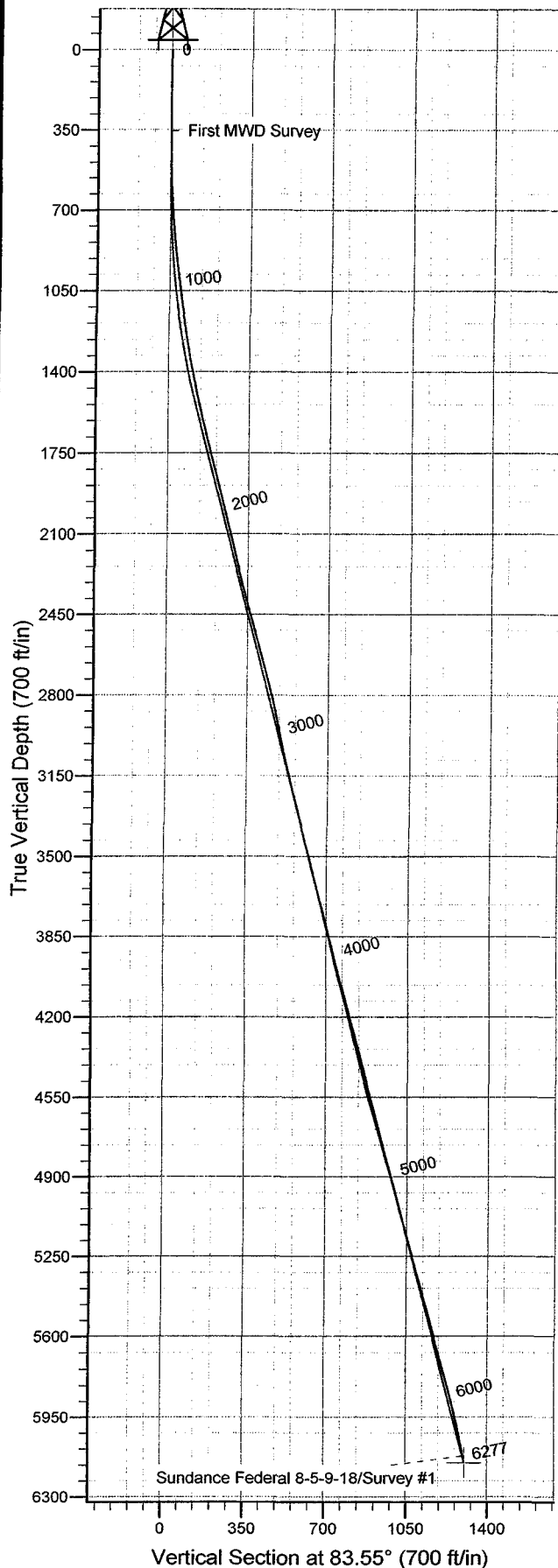




Scientific Drilling  
Rocky Mountain Operations

Project: Uintah County, UT NAD83 UTC  
Site: Sundance Federal 8-5-9-18  
Well: Sundance Federal 8-5-9-18  
Wellbore: OH  
Design: OH

Newfield Exploration Co.



WELL DETAILS: Sundance Federal 8-5-9-18

+N/-S	+E/-W	Ground Level: GL 4980' & RKB 12' @ 4992.00ft (NDSI 2)
0.00	0.00	Northing Easting Latitude Longitude
0.00	0.00	7194999.57 2084032.73 40° 3' 40.700 N 109° 54' 53.800 W

#### REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Sundance Federal 8-5-9-18, True North  
Vertical (TVD) Reference: GL 4980' & RKB 12' @ 4992.00ft (NDSI 2)  
Section (VS) Reference: Slot - (0.00N, 0.00E)  
Measured Depth Reference: GL 4980' & RKB 12' @ 4992.00ft (NDSI 2)  
Calculation Method: Minimum Curvature  
Local North: True  
Location: Sec 5 T9S R18E

PROJECT DETAILS: Uintah County, UT NAD83 UTC Survey: Survey #1 (Sundance Federal 8-5-9-18/OH)

Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: Utah Central Zone

Created By: Julie Cruse Date: 2008-05-12

# **Newfield Exploration Co.**

Uintah County, UT NAD83 UTC

Sundance Federal 8-5-9-18

Sundance Federal 8-5-9-18

OH

Survey: Survey #1

## **Standard Survey Report**

12 May, 2008

# Scientific Drilling

## Survey Report

**Company:** Newfield Exploration Co.  
**Project:** Uintah County, UT NAD83 UTC  
**Site:** Sundance Federal 8-5-9-18  
**Well:** Sundance Federal 8-5-9-18  
**Wellbore:** OH  
**Design:** OH

**Local Co-ordinate Reference:** Well Sundance Federal 8-5-9-18  
**TVD Reference:** GL 4980' & RKB 12' @ 4992.00ft (NDSI 2)  
**MD Reference:** GL 4980' & RKB 12' @ 4992.00ft (NDSI 2)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.16 Multi-User Db

<b>Project</b>	Uintah County, UT NAD83 UTC		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Utah Central Zone		

<b>Site</b>	Sundance Federal 8-5-9-18, Sec 5 T9S R18E		
<b>Site Position:</b>		<b>Northing:</b>	7,194,999.59 ft
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,084,032.73 ft
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	in
		<b>Latitude:</b>	40° 3' 40.700 N
		<b>Longitude:</b>	109° 54' 53.800 W
		<b>Grid Convergence:</b>	1.02 °

<b>Well</b>	Sundance Federal 8-5-9-18, 2131' FNL, 1953' FEL		
<b>Well Position</b>	<b>+N/-S</b>	0.00 ft	<b>Northing:</b> 7,194,999.57 ft
	<b>+E/-W</b>	0.00 ft	<b>Easting:</b> 2,084,032.73 ft
<b>Position Uncertainty</b>	0.00 ft	<b>Wellhead Elevation:</b>	ft
		<b>Latitude:</b>	40° 3' 40.700 N
		<b>Longitude:</b>	109° 54' 53.800 W
		<b>Ground Level:</b>	4,980.00 ft

<b>Wellbore</b>	OH				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2005-10	2008-05-02	11.64	65.92	52,638

<b>Design</b>	OH				
<b>Audit Notes:</b>					
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>	
	0.00	0.00	0.00	83.55	

<b>Survey Program</b>	Date 2008-05-12				
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
354.00	6,277.00	Survey #1 (OH)	MWD	MWD - Standard	

<b>Survey</b>										
<b>Measured Depth (ft)</b>	<b>Inclination (°)</b>	<b>Azimuth (°)</b>	<b>Vertical Depth (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Vertical Section (ft)</b>	<b>Dogleg Rate (°/100ft)</b>	<b>Build Rate (°/100ft)</b>	<b>Turn Rate (°/100ft)</b>	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
354.00	0.38	304.38	354.00	0.66	-0.97	-0.89	0.11	0.11	0.00	
386.00	0.24	315.76	386.00	0.77	-1.10	-1.01	0.48	-0.44	35.56	
416.00	0.26	113.91	416.00	0.79	-1.08	-0.99	1.64	0.07	527.17	
447.00	0.62	108.26	447.00	0.71	-0.86	-0.78	1.17	1.16	-18.23	
477.00	1.14	96.83	476.99	0.62	-0.41	-0.34	1.82	1.73	-38.10	
508.00	1.47	96.62	507.98	0.54	0.29	0.35	1.06	1.06	-0.68	
539.00	1.80	86.59	538.97	0.52	1.17	1.22	1.41	1.06	-32.35	
569.00	2.12	80.67	568.95	0.64	2.19	2.25	1.26	1.07	-19.73	
600.00	2.54	82.52	599.93	0.82	3.44	3.51	1.38	1.35	5.97	
631.00	2.97	77.76	630.89	1.08	4.90	4.99	1.57	1.39	-15.35	
662.00	3.30	79.21	661.85	1.42	6.56	6.68	1.09	1.06	4.68	
692.00	3.66	80.81	691.79	1.73	8.36	8.50	1.24	1.20	5.33	

# Scientific Drilling

## Survey Report

**Company:** Newfield Exploration Co.  
**Project:** Uintah County, UT NAD83 UTC  
**Site:** Sundance Federal 8-5-9-18  
**Well:** Sundance Federal 8-5-9-18  
**Wellbore:** OH  
**Design:** OH

**Local Co-ordinate Reference:** Well Sundance Federal 8-5-9-18  
**TVD Reference:** GL 4980' & RKB 12' @ 4992.00ft (NDSI 2)  
**MD Reference:** GL 4980' & RKB 12' @ 4992.00ft (NDSI 2)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.16 Multi-User Db

### Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
723.00	3.94	77.69	722.72	2.12	10.37	10.55	1.12	0.90	-10.06
754.00	4.38	75.87	753.64	2.63	12.56	12.78	1.48	1.42	-5.87
784.00	5.10	75.35	783.54	3.25	14.96	15.23	2.40	2.40	-1.73
815.00	5.60	72.70	814.40	4.05	17.74	18.08	1.80	1.61	-8.55
846.00	6.03	74.08	845.24	4.95	20.75	21.17	1.46	1.39	4.45
876.00	6.44	77.08	875.07	5.75	23.91	24.40	1.75	1.37	10.00
908.00	6.68	78.11	906.86	6.54	27.48	28.04	0.84	0.75	3.22
939.00	7.00	78.49	937.64	7.29	31.09	31.71	1.04	1.03	1.23
971.00	7.36	78.69	969.38	8.08	35.01	35.70	1.13	1.12	0.62
1,001.00	7.52	79.28	999.13	8.82	38.83	39.57	0.59	0.53	1.97
1,032.00	7.70	79.21	1,029.86	9.59	42.86	43.66	0.58	0.58	-0.23
1,062.00	7.92	82.43	1,059.58	10.24	46.88	47.73	1.63	0.73	10.73
1,092.00	8.30	85.18	1,089.28	10.69	51.09	51.97	1.81	1.27	9.17
1,122.00	8.60	85.46	1,118.96	11.05	55.48	56.37	1.01	1.00	0.93
1,153.00	8.75	87.48	1,149.60	11.34	60.15	61.04	1.10	0.48	6.52
1,185.00	8.86	90.62	1,181.22	11.42	65.04	65.91	1.54	0.34	9.81
1,215.00	9.19	91.68	1,210.85	11.32	69.75	70.58	1.23	1.10	3.53
1,247.00	9.44	93.00	1,242.43	11.11	74.92	75.70	1.03	0.78	4.12
1,278.00	9.72	94.19	1,273.00	10.78	80.07	80.78	1.11	0.90	3.84
1,309.00	10.02	93.97	1,303.54	10.41	85.37	86.00	0.98	0.97	-0.71
1,340.00	10.56	94.57	1,334.04	9.99	90.89	91.44	1.78	1.74	1.94
1,372.00	11.24	94.59	1,365.46	9.51	96.93	97.38	2.13	2.12	0.06
1,403.00	11.63	93.77	1,395.85	9.06	103.06	103.42	1.36	1.26	-2.65
1,435.00	11.83	92.81	1,427.18	8.69	109.55	109.83	0.87	0.62	-3.00
1,465.00	11.95	92.86	1,456.54	8.38	115.72	115.93	0.40	0.40	0.17
1,496.00	12.32	91.31	1,486.84	8.15	122.24	122.38	1.59	1.19	-5.00
1,528.00	12.75	90.34	1,518.08	8.05	129.18	129.27	1.50	1.34	-3.03
1,559.00	13.08	89.83	1,548.30	8.04	136.11	136.15	1.13	1.06	-1.65
1,591.00	13.49	88.58	1,579.44	8.14	143.46	143.47	1.56	1.28	-3.91
1,622.00	13.83	87.24	1,609.56	8.41	150.78	150.77	1.50	1.10	-4.32
1,654.00	13.74	86.58	1,640.64	8.82	158.39	158.38	0.57	-0.28	-2.06
1,684.00	13.79	85.61	1,669.78	9.31	165.51	165.51	0.79	0.17	-3.23
1,716.00	13.89	86.60	1,700.85	9.83	173.15	173.16	0.80	0.31	3.09
1,746.00	14.17	84.94	1,729.96	10.37	180.40	180.42	1.63	0.93	-5.53
1,777.00	14.20	83.46	1,760.01	11.13	187.96	188.02	1.17	0.10	-4.77
1,809.00	14.35	82.80	1,791.02	12.08	195.79	195.91	0.69	0.47	-2.06
1,902.00	13.94	81.78	1,881.20	15.12	218.31	218.63	0.52	-0.44	-1.10
1,997.00	13.64	80.36	1,973.46	18.64	240.68	241.25	0.48	-0.32	-1.49
2,090.00	14.18	81.23	2,063.74	22.21	262.75	263.58	0.62	0.58	0.94
2,183.00	14.01	80.83	2,153.94	25.74	285.12	286.21	0.21	-0.18	-0.43
2,276.00	13.43	82.48	2,244.28	28.95	306.94	308.25	0.75	-0.62	1.77
2,368.00	14.42	83.24	2,333.58	31.69	328.91	330.39	1.09	1.08	0.83
2,463.00	15.30	82.81	2,425.40	34.65	353.09	354.75	0.93	0.93	-0.45
2,557.00	15.09	83.61	2,516.11	37.57	377.56	379.39	0.32	-0.22	0.85
2,650.00	15.04	85.04	2,605.92	39.96	401.61	403.56	0.40	-0.05	1.54
2,743.00	15.04	85.81	2,695.73	41.88	425.66	427.68	0.21	0.00	0.83
2,837.00	14.33	88.72	2,786.66	43.04	449.46	451.45	1.09	-0.76	3.10
2,931.00	11.72	89.75	2,878.24	43.34	470.64	472.53	2.79	-2.78	1.10
3,025.00	11.78	87.31	2,970.27	43.83	489.77	491.59	0.53	0.06	-2.60
3,117.00	12.76	85.09	3,060.17	45.14	509.27	511.12	1.18	1.07	-2.41
3,212.00	13.41	83.18	3,152.70	47.35	530.67	532.63	0.82	0.68	-2.01
3,306.00	12.95	83.24	3,244.22	49.88	551.95	554.06	0.49	-0.49	0.06
3,400.00	15.67	82.59	3,335.30	52.76	575.00	577.29	2.90	2.89	-0.69
3,494.00	14.35	83.55	3,426.09	55.70	599.17	601.63	1.43	-1.40	1.02

# Scientific Drilling

## Survey Report

Company: Newfield Exploration Co.  
Project: Uintah County, UT NAD83 UTC  
Site: Sundance Federal 8-5-9-18  
Well: Sundance Federal 8-5-9-18  
Wellbore: OH  
Design: OH

Local Co-ordinate Reference: Well Sundance Federal 8-5-9-18  
TVD Reference: GL 4980' & RKB 12' @ 4992.00ft (NDSI 2)  
MD Reference: GL 4980' & RKB 12' @ 4992.00ft (NDSI 2)  
North Reference: True  
Survey Calculation Method: Minimum Curvature  
Database: EDM 2003.16 Multi-User Db

### Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
3,587.00	13.57	85.74	3,516.34	57.81	621.50	624.06	1.01	-0.84	2.35
3,679.00	15.08	87.73	3,605.48	59.08	644.22	646.78	1.73	1.64	2.16
3,774.00	13.68	83.38	3,697.50	60.87	667.73	670.34	1.86	-1.47	-4.58
3,867.00	13.74	82.65	3,787.85	63.55	689.61	692.38	0.20	0.06	-0.78
3,961.00	13.47	85.77	3,879.22	65.78	711.60	714.48	0.83	-0.29	3.32
4,054.00	13.31	87.33	3,969.69	67.08	733.09	735.99	0.42	-0.17	1.68
4,149.00	14.61	90.07	4,061.88	67.58	756.00	758.81	1.53	1.37	2.88
4,241.00	14.04	86.47	4,151.02	68.25	778.74	781.48	1.15	-0.62	-3.91
4,335.00	12.42	87.11	4,242.53	69.46	800.22	802.96	1.73	-1.72	0.68
4,427.00	13.76	79.63	4,332.14	71.93	820.87	823.75	2.34	1.46	-8.13
4,521.00	14.91	78.73	4,423.21	76.31	843.72	846.95	1.25	1.22	-0.96
4,613.00	14.58	83.74	4,512.18	79.88	866.84	870.33	1.43	-0.36	5.45
4,706.00	16.09	81.86	4,601.87	82.98	891.24	894.92	1.71	1.62	-2.02
4,800.00	15.47	82.89	4,692.33	86.38	916.57	920.47	0.72	-0.66	1.10
4,893.00	15.15	81.11	4,782.03	89.79	940.89	945.02	0.61	-0.34	-1.91
4,988.00	15.87	77.22	4,873.57	94.59	965.82	970.33	1.33	0.76	-4.09
5,082.00	14.37	79.07	4,964.31	99.64	989.81	994.74	1.68	-1.60	1.97
5,176.00	15.10	80.18	5,055.22	103.94	1,013.33	1,018.59	0.83	0.78	1.18
5,271.00	15.29	84.37	5,146.90	107.28	1,037.98	1,043.47	1.17	0.20	4.41
5,365.00	14.18	85.53	5,237.81	109.39	1,061.80	1,067.37	1.22	-1.18	1.23
5,459.00	16.00	84.84	5,328.57	111.46	1,086.18	1,091.83	1.95	1.94	-0.73
5,551.00	14.71	83.48	5,417.28	113.92	1,110.42	1,116.19	1.46	-1.40	-1.48
5,641.00	15.41	86.66	5,504.19	115.92	1,133.71	1,139.55	1.20	0.78	3.53
5,735.00	14.92	91.57	5,594.92	116.31	1,158.27	1,164.01	1.46	-0.52	5.22
5,827.00	16.38	88.43	5,683.51	116.34	1,183.08	1,188.66	1.83	1.59	-3.41
5,921.00	15.43	87.31	5,773.91	117.29	1,208.82	1,214.35	1.06	-1.01	-1.19
6,013.00	14.24	89.46	5,862.84	117.97	1,232.36	1,237.82	1.42	-1.29	2.34
6,107.00	13.06	90.37	5,954.19	118.02	1,254.54	1,259.86	1.28	-1.26	0.97
6,225.00	10.84	95.30	6,069.62	116.90	1,278.93	1,283.97	2.07	-1.88	4.18
6,277.00	10.84	95.30	6,120.70	116.00	1,288.67	1,293.54	0.00	0.00	0.00

### Targets

#### Target Name

- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- Shape									
Sundance 8-5-9-18 BHL	0.00	0.00	6,150.00	146.01	1,291.97	7,195,168.45	2,085,321.91	40° 3' 42.143 N	109° 54' 37.182 W
- survey misses target center by 42.07ft at 6277.00ft MD (6120.70 TVD, 116.00 N, 1288.67 E)									
- Circle (radius 75.00)									

### Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
354.00	226.31	-126.95	185.54	First MWD Survey Projection to TD
6,277.00	1,525.45	-654.19	-5,464.01	

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-65970
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630, Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> SUNDANCE FED 8-5-9-18
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2131 FNL 1953 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNE Section: 05 Township: 09.0S Range: 18.0E Meridian: S		<b>9. API NUMBER:</b> 43047373900000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> 8 MILE FLAT NORTH
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 1/23/2014	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input checked="" type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  The subject well has been converted from a producing oil well to an injection well on 01/22/2014. Initial MIT on the above listed well. On 01/23/2014 the casing was pressured up to 1817 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 200 psig during the test. There was not an EPA representative available to witness the test. EPA# UT22197-10206		
Accepted by the Utah Division of Oil, Gas and Mining <b>FOR RECORD ONLY</b> February 03, 2014		
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 1/30/2014	



**Mechanical Integrity Test****Casing or Annulus Pressure Mechanical Integrity Test**

U.S. Environmental Protection Agency  
Underground Injection Control Program  
999 18<sup>th</sup> Street, Suite 500 Denver, CO 80202-2466

EPA Witness: \_\_\_\_\_

Date: 1 123114Test conducted by: JOHNNY SLIMOthers present: MICHAEL JENSEN

Well Name: <u>FEDERAL 8-5-9-18</u>	Type: ER SWD	Status: AC TA UC
Field: <u>GMB UNIT</u>		
Location: <u>RED. 8</u> Sec: <u>5</u> T <u>9</u> N <u>18</u> R <u>18</u> E/W County: <u>WINTHROP</u> State: <u>COLORADO</u>		
Operator: <u>JOHNNY SLIM</u>		
Last MIT: <u>1</u>	Maximum Allowable Pressure: _____	PSIG

Is this a regularly scheduled test?

☐ Yes ☒ No

Initial test for permit?

☒ Yes ☐ No

Test after well rework?

☒ Yes ☐ No

Well injecting during test?

☐ Yes ☒ No

If Yes, rate: \_\_\_\_\_ bpd

Pre-test casing/tubing annulus pressure: \_\_\_\_\_ psig

MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	<u>200</u> psig	psig	psig
End of test pressure	<u>200</u> psig	psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>1814</u> psig	psig	psig
5 minutes	<u>1814</u> psig	psig	psig
10 minutes	<u>1818</u> psig	psig	psig
15 minutes	<u>1819</u> psig	psig	psig
20 minutes	<u>1818</u> psig	psig	psig
25 minutes	<u>1817</u> psig	psig	psig
30 minutes	<u>1817</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

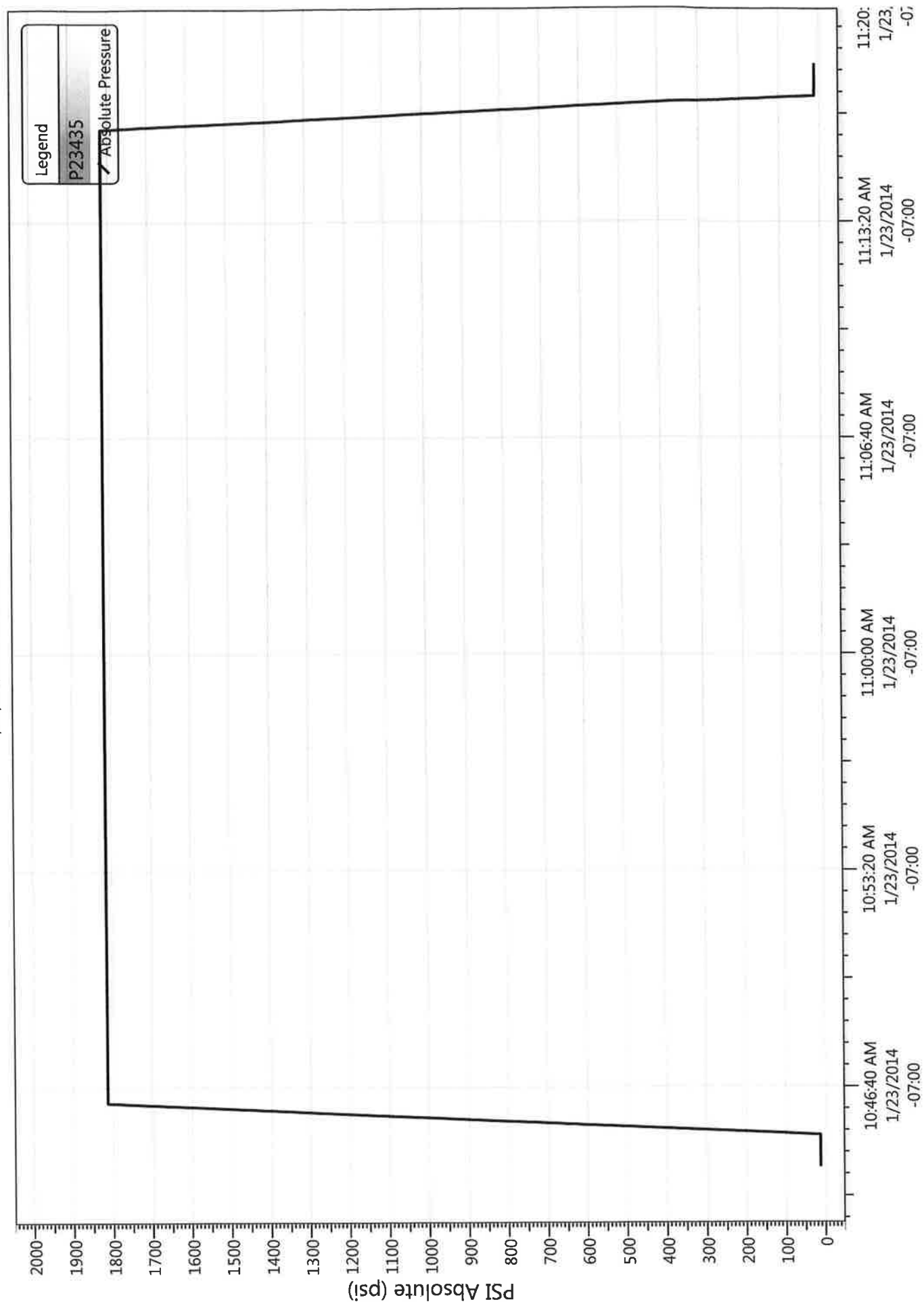
Does the annulus pressure build back up after the test? ☐ Yes ☒ No**MECHANICAL INTEGRITY PRESSURE TEST**

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: \_\_\_\_\_

federal 8-5-9-18 MIT (1-23-14)

1/23/2014 10:42:25 AM



## Daily Activity Report

Format For Sundry

FEDERAL 8-5-9-18

11/1/2013 To 3/28/2014

**1/21/2014 Day: 2**

**Conversion**

Nabors #1108 on 1/21/2014 - Travel, standby wait on hot oiler to finish tbg flush, pooh with rods, ld - MIRU, flush 60bw down csg, stretch lines, remove horse head, unseat pump, ld polish rod, flush 40 bw hot down tbg, soft seat pump, fill tbg w/8bw & test to 3000 psi, good test, pooh w 1-4' & 1-8' ponies, 120 -7/8" 8 per guided rods & ld on trailer. (rods need flushed again, too late in day), p/u polish rod, siw ghfn. - MIRU, flush 60bw down csg, stretch lines, remove horse head, unseat pump, ld polish rod, flush 40 bw hot down tbg, soft seat pump, fill tbg w/8bw & test to 3000 psi, good test, pooh w 1-4' & 1-8' ponies, 120 -7/8" 8 per guided rods & ld on trailer. (rods need flushed again, too late in day), p/u polish rod, siw ghfn. - Travel, standby wait on hot oiler to finish tbg flush, pooh with rods, ld, nd wh, release tac, nu bop, ru work floor, hot oiler steam off tbg equip, pooh with 160 jts tbg breaking every connection and cleaning threads, inspecting for damage or gaulding, apply liquid o ring and retorque to spec, tall out, swifn, clean location - Travel, standby wait on hot oiler to finish tbg flush, pooh with rods, ld, nd wh, release tac, nu bop, ru work floor, hot oiler steam off tbg equip, pooh with 160 jts tbg breaking every connection and cleaning threads, inspecting for damage or gaulding, apply liquid o ring and retorque to spec, tall out, swifn, clean location

**Daily Cost:** \$0

**Cumulative Cost:** \$23,319

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**1/22/2014 Day: 3**

**Conversion**

Nabors #1108 on 1/22/2014 - finish pooh with tbg, tally, ld excess 28 jts tbg and bha from bottom of string, pu/mu packer assy, tih with packer assy and 163 jts tbg - wait for sun to come up, check tbg and csg, 40 psi on both, bd well and open bop, finish pooh with tbg, tally, ld excess 28 jts tbg and bha from bottom of string, pu/mu packer assy, tih with packer assy and 163 jts tbg, pump 10 bbls pad and drops sv, load tbg w/20 bbls water and pt tbg to 3000 psi, failed, bump up numerous times and retested, unsuccessful on good tbg test, leave for night, swifn, clean location.

**Daily Cost:** \$0

**Cumulative Cost:** \$31,147

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**1/23/2014 Day: 4**

**Conversion**

Nabors #1108 on 1/23/2014 - Pick up tbg, hot oiler thaw 15' of tbg, check tbg psi, 150 psi, bad test, ru sandline and fishing tools - Pick up tbg, hot oiler thaw 15' of tbg, check tbg psi, 150 psi, bad test, ru sandline and fishing tools, rih with tools to catch SV, pooh with sandline, pump 10 bbls pad and drop SV, load tbg and psi up to 3000 psi, pt tbg, had to bump up numerous times but finally got a good 30 min test, ru sl and fish tools to rih and catch SV, rd work floor, nd bop, land tbg, nu wh, mix pkr fluid, and pump 70 bbls pkr fluid down csg, nd wh, set pkr, 15k tension, nuwh, top off fluid and psi csg up to 1400 psi, hold psi test and check every 10 min, hat to bump up and retest, finally got good csg test for 30 min, rd, rack out winch and tools, start moving rig out but ran out of day light.

**Daily Cost:** \$0

**Cumulative Cost:** \$38,972

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**1/27/2014 Day: 5**

**Conversion**

Nabors #1108 on 1/27/2014 - Conduct initial MIT - Initial MIT on the above listed well. On 01/23/2014 the casing was pressured up to 1817 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 200 psig during the test. There was not an EPA representative available to witness the test. EPA# UT22197-10206 **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$64,684

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**Pertinent Files: [Go to File List](#)**

Spud Date: 4/26/08

Put on Production: 6/12/08

GL: 4980' KB: 4980'

## Federal 8-5-9-18

Injection Wellbore  
DiagramSURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7jts

DEPTH LANDED: 314.01'

HOLE SIZE: 12-1/4"

CEMENT DATA: To surface with 160 sx class 'G' cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 155jts

DEPTH LANDED: 6277'

HOLE SIZE: 7-7/8"

CEMENT DATA: 300 sx Premlite II mixed &amp; 450 sx 50/50 Poz

CEMENT TOP AT: 84'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 163 jts (5001.7')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 5013.7' KB

ON/OFF TOOL AT: 5014.8'

ARROW #1 PACKER CE AT: 5020.82'

XO 2-3/8 x 2-7/8 J-55 AT: 5023.5'

TBG PUP 2-3/8 J-55 AT: 5024'

X/N NIPPLE AT: 5028.1'

TOTAL STRING LENGTH: EOT @ 5029.78'

FRAC JOB

6/5/08 5760'-5775'

**RU BJ & frac CP1&2 sds as follows:**  
55,542# 20/40 sand in 546 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 196 l w/ ave rate @ 25 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. 691 bbls EWTR. ISIP was 1908. Actual Flush:

6/5/08 5799-5806'

**RU BJ & frac stage #2 as follows:** 65,531# 20/40 sand in 588 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 3025 w/ ave rate @ 25.9 bpm w/ 8 ppg of sand. Actual Flush:

6/6/08 5052-5058'

**RU BJ & frac stage #3 as follows:** 16,831# 20/40 sand in 289 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2557 w/ ave rate @ 25 bpm w/ 6.5 ppg of sand. Actual Flush:

01/22/14

**Convert to Injection Well**

01/23/14

**Conversion MIT Finalized** – update tbg detailPERFORATION RECORD

5052-5058'	4 JSPF	24 holes
5468-5476'	4 JSPF	32 holes
5500-5506'	4 JSPF	24 holes
5760-5775'	4 JSPF	60 holes
5799-5806'	4 JSPF	28 holes

Cement Top @ 84'

SN @ 5014'

On Off Tool @ 5015'

Packer @ 5021'

X/N Nipple @ 5028'

EOT @ 5030'

5052-5058'

5468-5476'

5500-5506'

5760-5775'

5799-5058'

PBTD @ 6107'

TD @ 6277'

**NEWFIELD****Federal 8-5-9-18**

2131' FNL &amp; 1953' FEL

SW/NE Sec. 5, T9S R18E

Uintah, County

API# 43-047-37390; Lease# UTU-65970

LCN 01/28/14

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-65970
<b>1. TYPE OF WELL</b> Water Injection Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> SUNDANCE FED 8-5-9-18
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2131 FNL 1953 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNE Section: 05 Township: 09.0S Range: 18.0E Meridian: S		<b>9. API NUMBER:</b> 43047373900000
<b>9. FIELD and POOL or WILDCAT:</b> 8 MILE FLAT NORTH		<b>COUNTY:</b> UINTAH
<b>STATE:</b> UTAH		
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 2/12/2014	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input checked="" type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input checked="" type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;">           The above reference well was put on injection at 9:10 AM on            02/12/2014. EPA # UT22197-10206         </div> <div style="width: 35%; text-align: center;"> <b>Accepted by the            Utah Division of            Oil, Gas and Mining            FOR RECORD ONLY            February 19, 2014</b> </div> </div>		
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 2/18/2014	